



MUST Ranking Office



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY



Sustainability Report 2021



SUSTAINABLE DEVELOPMENT GOALS

| | | | | | |
|--|--|--|--|--|--|
| 1 NO POVERTY | 2 ZERO HUNGER | 3 GOOD HEALTH AND WELL-BEING | 4 QUALITY EDUCATION | 5 GENDER EQUALITY | 6 CLEAN WATER AND SANITATION |
| 7 AFFORDABLE AND CLEAN ENERGY | 8 DECENT WORK AND ECONOMIC GROWTH | 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE | 10 REDUCED INEQUALITIES | 11 SUSTAINABLE CITIES AND COMMUNITIES | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION |
| 13 CLIMATE ACTION | 14 LIFE BELOW WATER | 15 LIFE ON LAND | 16 PEACE, JUSTICE AND STRONG INSTITUTIONS | 17 PARTNERSHIPS FOR THE GOALS | |



About Misr University for Science and Technology

Misr University for Science and Technology strives to achieve local, Arab, African, and international recognition by utilising modern and green technology for a clean and green environment. The university invests expertise represented by highly trained personnel to serve the community and the surrounding environment. Also, the university spreads throughout the Arab Republic of Egypt's governorates to consolidate its leadership role in all service fields to improve society and the environment.



Strategic Plan

2021-2024



Encourage the use of sustainable resources.



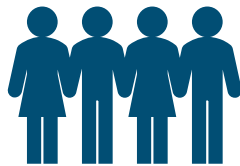
Create and manage sustainable methods on campus to reduce energy, water, and garbage usage.



Strategies to Reduce Carbon Footprint



Enhance the precision of carbon footprint data while continuing to reduce emissions.



Improve Social Conscience



Each year, expand the number of sustainable consciousness activities and initiatives on campus.



Increase International Reputation



Increase engagement of universities committed to environmental sustainability in worldwide forums and networks.

MUST in the World Rankings for Sustainability



Misr University for Science and Technology participated in the UI GreenMetric 2021, the Indonesian Ranking of the World Most sustainable Universities. Misr University for Science and Technology has achieved the 483rd World Most sustainable University In 2021. At the African level, the university came in the tenth place among the African universities that participated in the 2021 ranking . In the Middle East regional ranking, the list included 224 universities, with Misr University for Science and Technology ranking 95th.



Sustainable Development Report 2020-2021

No Poverty



Misr University for Science and Technology (MUST) has aligned its strategy and internal policies to implement the Sustainable Development Goals (SDGs). The SDGs were created to help the global community achieve a more sustainable future.

I. Student Academic Support



Misr University for Science and Technology appoints a general academic advisor for each college who manages to allocate an academic advisor from among the college members to each group of students. The academic advisor oversees mentoring and scientific guidance, as well as following up on the students' scientific, social, and psychological affairs and directing them in all aspects of university life.

The academic advisor is concerned about the following:

1. Assisting the student in selecting the courses in which he/she enrolls each semester by the most recent study plan and the student's GPA.
2. Monitoring the student's academic progress by contacting and cooperating with his/her professors and aiding them in overcoming any academic issues that may arise.
3. Approving the procedures that the student follows for registration, academic load, course deletion and addition, withdrawal from studies, and so on, as well as verifying that all these operations are in the student's best interests.
4. Taking care of students put under academic supervision and those who have been suspended from the study, identifying academic issues they experience and assisting them in overcoming them to straighten out their studies.

The Central Library at MUST is considered as one of the most important facilities and is supervised by the academic staff at the university. The library serves the academic community of faculty members, researchers, and students with its unique and distinctive architectural design and up-to-date facilities. Bibliographic information, inter-library loan, references, information access via CD-ROM, and online links to information banks and the internet are among the services provided.

<https://must.edu.eg/students-zone/>.



II. Financial Support

Misr University for Science and Technology pays great attention to its financially unable students or those who are facing difficulties that prevent them from paying tuition fees through benefiting from the integrated system of social services provided to them by the Student Welfare Fund to facilitate and support them in paying tuition fees and treating psychological problems through various student support mechanisms.

The university is keen to provide and develop the means of support provided to students to overcome various obstacles that may hinder their university life and to reduce the economic and psychological burdens on students in need and their parents through the establishment of a specialized committee to provide the necessary financial support and care in addition to coordinating with the cultural attachés for supporting financially distressed international students.

MUST university pays extreme care to support its students financially. Students are offered a reduction of or exemption from university fees in any of the following cases:

1. The death of the parent during the academic year.
2. Chronic diseases of the parent or any of the student's family members that might affect the family's financial status.
3. Cases of financial failure due to compelling circumstances such as divorce cases, prisoners, inability to work or wars and immigration.
4. Cases of tuition fee instalment.
5. Cases of disabled students who are granted a lot of financial facilities. The university provides housing for students with special abilities (visual impairment or motor disability) based on a request submitted and based on the recommendation of the Psychological Counseling Unit, which is presented to the Chairman of the Board of Trustees for approval, and this was done for 2 cases during the year 2020/2021.
6. Providing Scholarships: Every year, the university provides several free scholarships that are announced and applied to by a committee formed by the university president and the vice president for student affairs and other members. Several free scholarships are given to each college throughout the study period if they maintain their academic level.
7. Fee reduction for siblings.
8. Sports Excellence Discount: To encourage its students to excel in sports and obtain awards and advanced ranks internationally and regionally, the university grants a discount ranging from 10% to 50% of the tuition fees for a student who excels in sports.

9. Discount for children of employees: The university takes care of its employees and relieves them of their economic burdens, especially in the case of one of their children joining the university, by granting a discount ranging from 10% to 25% of the student's tuition fees throughout the period of his studies at the university.

Financial support for 2020-2021

| Serial | Type of support | Number | Description |
|--------|---|--------|--|
| 1 | Students got scholarship | 787 | Be 100% of the tuition fees |
| 2 | Tuition fee instalment | 830 | For the financially distressed |
| 3 | Employee sons discount | 36 | 10-25% discount |
| 4 | Student Welfare Committee Discount | 371 | Discounts ranging from 10% for financial defaults and 15% for guardian deaths or chronic illnesses are obtained |
| 5 | Sibling's discount | 506 | The second sibling gets a 10% discount on the fees |
| 6 | International students (Expatriate discounts) | 291 | Discounts for students coming from the nationalities of Palestine-Syrian-Jordan-Yemen-Nigeria "at 25% of the fees" |

| | |
|--|-------|
| Total number of students in 2020-2021 | 25045 |
| Number of low-income students receiving financial aid | 2821 |
| percentage | 11.3% |

<https://must.edu.eg/must-scholarship/>.

<https://web.facebook.com/photo/?fbid=7937886189617702&set=pb.100069068886699.-2207520000>.



III. Food Support

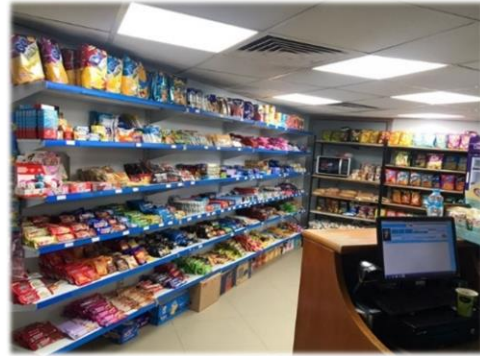
Through a fully equipped kitchen with an environment that ensures the full application of safety measurements and health standards for service providers and recipients, Souad Kafafi Hospital at Misr University for Science and Technology strives to provide safe food for frequent patients, students, university hospital staff and university staff members.

- A specific area is allocated to receive food when supplied for detailed sorting and ensuring the safety of transportation procedures, from a constant temperature and good packaging. Fresh vegetables and fruits are then stored in separate places in the refrigerator at a temperature of at least 5°C and not more than 8°C. the volume of supplied quantities is considered with average consumption, ensuring the surplus is subject to implementation and damage.
- To ensure safe food is provided, Souad kafafi hospital at MUST does periodic medical examinations and investigations of all food handlers working in the hospital. Also, it provides the needed vaccinations to them to assure their good health status.
- All food handlers who work in the food court or the university hospital should have a valid health certificate and follow the proper procedures and protocol to ensure that all safety precautions are being taken about food service.



(images of some Health certificates for food handlers)

- For frozen foodstuffs, are examined during receipt and the date of production and shelf life are reviewed. In addition to reviewing the safety of packaging and maintaining the appropriate temperature during transport procedures. The temperatures should not exceed -12°C and the procedures for review and examination must be completed upon receipt within a maximum of 20 minutes.
- There are areas dedicated to preparing food before cooking. The meat, poultry and fish preparation area are separated from the fresh vegetables' preparation area, in addition to customizing cutting and preparing tools for each food item, as a separate chopping board is allocated for each food item: red is used for meat, yellow for poultry and blue for fish. Maintaining personal protective equipment and appropriate clothing while preparing and handling food and being in the kitchen.
- Also maintaining cooking periods of no more than 4 hours for hot cooking, and 2 hours for cold cooking. The duration of conservation for any food returns is a maximum of 48 hours, with a maximum of 48 hours, to be kept at an appropriate temperature and not more than 5°C .
- Patients' meals are packaged in the hospital's internal departments as soon as they are prepared for distribution. Hot and cold foods should be separated to maintain the temperature of each.
- Considering the periodic passage of the infection control and quality departments and taking random swabs to ensure that the work environment conforms to the highest standards of hygiene and quality assurance.
- The university also has more than one cafeteria on campus through the Food Court that serves students and staff members during working days.



IV. Psychological Support

The idea of establishing the psychological guidance Unit has been approved and supported by the leaders and administration of the university, within the framework of the university's vision and objectives. and an affirmation of its role in caring for and supporting students' personal, psychological, academic and life needs. Examples of psychological support and counselling provided by the unit:

1. Cases of psychological depression and social anxiety, such as the separation of parents or social pressures.
2. Cases of the student being subjected to family, social or health oppression, which calls for social intervention with the student's family or transfer to medical support at Souad Kafafi Hospital to follow up the case medically.
3. Cases that require facilities during exams, especially for students with simple motor problems or those who have communication disorders or pronunciation and speech problems.
4. Cases that require the provision of adequate housing due to visual or motor disabilities.
5. Providing means of mobility within the university buildings.
6. Communicating with the colleges through the academic advising units in each college to determine the appropriate learning and teaching methods for each case.
7. Coordinating with the Student Care Unit financially and the Student Medical Care Unit to determine the extent of their contribution to the cases presented to the Psychological Guidance Committee.

Statement of cases that follow up with the psychological guidance Unit 2020/2021

| | College | Number of cases |
|----|-----------------------------------|-----------------|
| 1 | MEDICINE | 5 |
| 2 | DENTISTRY | 6 |
| 3 | PHARMACY | 6 |
| 4 | PHYSICAL THERAPY | 3 |
| 5 | Biotechnology | 5 |
| 6 | Applied Medical Sciences | -- |
| 7 | ENGINEERING | 8 |
| 8 | INFORMATION TECHNOLOGY | 5 |
| 9 | BUSINESS | 4 |
| 10 | MEDIA | 6 |
| 11 | Foreign languages and translation | 4 |
| 12 | Archaeology | 4 |
| 13 | Special Education | 2 |



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY



15





Practical activities of the psychological guidance unit

- Number of cases benefiting from psychological guidance unit services in 2020/2021 (58 cases)
- Due to the increasing number of cases, group guidance sessions were held for similar cases
- Cases of academic stumbling (cases of stumbling due to psychological reasons) were followed up in the Faculty of Physical therapy - Faculty of Pharmacy
- Providing psychological first aid service for students during exams to face exam riots, exam anxiety and phobias
- Preparing data and opinion polls to find out the most important problems facing students inside and outside the university

Elimination and treatment of addiction:

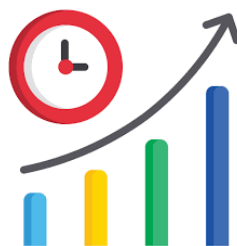
Due to the seriousness of this matter, the university monitors students inside the university through the academic guidance unit in each college. Several seminars have been held to warn of the harms of smoking and addiction. Posters have been hung for the dangers of smoking and addiction inside university buildings.



V. Health Support



- Souad Kafafi University Hospital is a giant medical edifice which embraces a selection of the most qualified doctors in various specialties and medical fields to provide distinguished therapeutic services as it provides the latest high-quality medical and healthcare services according to international standards. These services are directed to meet the needs of all patients as the hospital was established according to advanced standards of medical designs and equipment.
- Within the framework of commitment to social responsibility, the Chairman of the Board of Trustees of Misr University for Science and Technology, affiliated with Souad Kafafi University Hospital, puts all the facilities such as resources and continuous support to equip the hospital with the latest medical devices that help its full medical team in carrying out difficult surgeries and providing an integrated medical service. It also directs the participation of the hospital in many communities and humanitarian
- activities aiming primarily to provide free medical services to the unable within the plan to implement the hospital's mission of healing and alleviating the pain of the masses of citizens in various Egyptian governorates.
- Medical campaigns are professionally organized by the hospital by the highest quality standards in the provision of health services and patient care especially in semi-urban and densely overpopulated areas and remote governorates to contribute effectively to the consolidation of the culture of social responsibility as well as early detection, diagnosis, examinations, and surgical operations conducted daily free of charge for the unable in all medical specialties.



Annual Statistical Statement of Inpatient For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 6131 | 571 | 585 | 606 | 626 | 589 | 447 | 491 | 352 | 421 | 522 | 456 | 465 |

Annual Statistical Statement of The Echocardiography Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 2612 | 249 | 234 | 231 | 246 | 278 | 182 | 207 | 156 | 137 | 264 | 208 | 220 |

Annual Statistical Statement of Cardiac Catherization For years 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 456 | 36 | 22 | 53 | 42 | 52 | 35 | 40 | 34 | 24 | 53 | 39 | 26 |

Annual Statistical Statement of Endoscopy Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 560 | 53 | 73 | 62 | 72 | 63 | 37 | 52 | 40 | 37 | 28 | 23 | 20 |

Annual Statistical Statement of The Nephrology Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 7774 | 648 | 620 | 616 | 664 | 662 | 671 | 655 | 680 | 644 | 671 | 598 | 645 |

Annual Statistical Statement of Lithotripsy Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 105 | 8 | 12 | 7 | 13 | 12 | 9 | 10 | 4 | 5 | 9 | 8 | 8 |

Annual Statistical Statement of Ophthalmic radiology Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 2832 | 131 | 226 | 193 | 303 | 379 | 197 | 355 | 175 | 152 | 350 | 175 | 196 |



Annual Statistical Statement of Physical Therapy Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 6426 | 811 | 877 | 695 | 529 | 525 | 417 | 532 | 302 | 504 | 425 | 461 | 348 |

Annual Statistical Statement of Emergency Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 3899 | 347 | 368 | 356 | 347 | 345 | 291 | 312 | 335 | 337 | 340 | 253 | 264 |
| 2 | 5 | 1 | 1 | 5 | 0 | 4 | 3 | 9 | 2 | 5 | 7 | 0 |

Annual Statistical Statement of Laboratory Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 259980 | 25423 | 23580 | 24367 | 24567 | 25737 | 17230 | 18845 | 19729 | 20793 | 21139 | 17284 | 21286 |

Annual Statistical Statement of Radiology Unit For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 47653 | 3990 | 4612 | 4400 | 4458 | 4471 | 3113 | 3625 | 3599 | 3842 | 4303 | 3345 | 3895 |



Annual Statistical Statement of Medical Convoys For the year 2021

| Provided Services | | | | Medical campaign Type | Year |
|--------------------------------|--------------------|-------------------------------|--------------------------|------------------------|------|
| Referred cases to the hospital | Number of Services | Number of surgical operations | Number of examined cases | | |
| 638 | 207 | 431 | 15437 | Shobramant | 2019 |
| 82 | 56 | 36 | 487 | 6 October Quarantine 1 | 2020 |
| 486 | 206 | 280 | 1688 | 6 October Quarantine 2 | 2021 |

Total number of referred cases to the hospital (1206)

Total number of Examined cases (17612)

Annual Statistical Statement of Outpatient clinics for the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 37205 | 3308 | 4161 | 3869 | 4387 | 3670 | 2433 | 3255 | 1886 | 2310 | 3041 | 2486 | 2399 |

Annual Statistical Statement of Consultant Clinics For the year 2021

| Total | Dec. | Nov. | Oct. | Sep. | Aug. | Jul. | June | May | Apr. | Mar. | Feb. | Jan. |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 46124 | 5502 | 5706 | 5309 | 5046 | 4608 | 2884 | 3202 | 2365 | 2577 | 3373 | 2871 | 2681 |



- In line with the Egyptian Ministry of health policy during the COVID-19 pandemic, Misr University for Science and Technology had an important and effective role in addressing this pandemic through the construction of a lot of quarantines to accommodate the infected persons.
- The university hospital has also contributed to vaccinating many community members with various types of vaccinations.

Report on Coronavirus Vaccinations carried out in the hospital

| | | | | |
|--|-------------------------------|---------------------------------|-------------|----------------------|
| Johnson | AstraZeneca (4 weeks) | Sinovac | AstraZeneca | Type of vaccine |
| 21 | 389 | 18468 | 812 | Number of vaccinated |
| 19669 | | Total of vaccination recipients | | |
| Total of 1 st , 2 nd and 3 rd doses | | | | |
| 9319 | Total of 1 st dose | | | |
| 9019 | Total of 2 nd dose | | | |
| 144 | Total of 3 rd dose | | | |
| 1 st dose is divided into categories | | | | |
| 1089 | Workers in the medical field | | | |
| 300 | Chronic diseases | | | |
| 78087 | Other Categories | | | |
| 123 | For travelling purposes | | | |
| 2 nd dose is divided into categories | | | | |
| 1069 | Workers in the medical field | | | |
| 282 | Chronic diseases | | | |
| 7550 | Other Categories | | | |
| 118 | For travelling purposes | | | |





VI. Supporting Students with Special Needs:

- The idea of establishing a support unit for students with special needs has been approved and supported by the leaders and administration of the university, within the framework of the university's vision and objectives and an Affirmation of its role in caring for and supporting students' personal, psychological, academic and life needs.
- A support unit for students with special needs provides advice to overcome the problems facing students at the scientific and academic levels, as well as social and behavioural guidance for all university students to develop their professional attitudes and interests and develop their mental health, scientific and practical capabilities to reach the required education accredited quality level of education (locally and globally).
- The psychological guidance system seeks to provide advice and help students facing difficulties related to their university life and help them to understand their problems and work to solve them to produce a generation of young people equipped with science, knowledge, and the ability to make decisions. This can be achieved through the following:
 - Follow up students psychologically and academically, guide and observe them, and submit reports and recommendations to the Vice President for Education and Student Affairs
 - Providing students with suggestions and recommendations to improve their educational attainment and help them overcome their academic and psychological problems
 - Paying attention to cases of academic delay and working on studying the reasons for that delay, offering a helping hand, and suggesting appropriate solutions
 - Helping students discover their abilities and tendencies, define their goals, and develop their potential, which will be reflected in the society
 - Urging students to adhere to virtuous morals, civilized behaviour, and possess the qualities of science and etiquette
 - Studying the negative behavioural phenomena of some students and working to find appropriate solutions to them
 - Orienting students who stumble academically, guiding them, taking care of them, and following up on them to raise their scientific level and helping them to overcome the obstacles they face.



**Statement of cases that follow up with a support unit for people with special needs
2020/2021**

| | College | Number of cases |
|---|-----------------------------------|-----------------|
| 1 | PHARMACY | 2 |
| 2 | Biotechnology | 3 |
| 3 | INFORMATION TECHNOLOGY | 1 |
| 4 | BUSINESS | 1 |
| 5 | MEDIA | 6 |
| 6 | Foreign Languages and translation | 2 |
| 7 | Archaeology | 3 |

<https://must.edu.eg/ar/%D8%A7%D9%84%D9%85%D8%B1%D8%A7%D9%83%D8%B2-%D9%88%D8%A7%D9%84%D9%88%D8%AD%D8%AF%D8%A7%D8%AA/%D9%82%D8%B7%D8%A7%D8%B9-%D8%B4%D8%A6%D9%88%D9%86-%D8%B0%D9%88%D9%8A-%D8%A7%D9%84%D9%87%D9%85%D9%85/>.



Sustainable Development Report 2021

Good Health and Well-being

HEALTH IN THE SDG ERA



SDG 3: Good Health and Well-being

MISR University for science and Technology is totally dedicated to good health and wellbeing. This is truly mirrored on different sides. On the research side, the university faculty members produce significant number of research on health issues. In addition, MUST has formed collaborations with local and global health institutions. For example, the university collaborates with ministry of Health hospitals and many educational hospitals. The university also adopts several policies and services to the health of its students and staff, such as a smoke-free policy, the psychological & mental health support units. Also, the arrangement of many campus workshops and seminars to raise awareness of important health issues, such as diabetes, breast cancer, drug abuse, etc. The university broadens its facilities to the local community to improve health and well-being through different strategies, including arranging blood donation campaigns, paying visits to schools, holding mental health awareness sessions by the multiple students' organizations. The university makes its sports facilities, including fields, basketball and volleyball courts and Gym, available to the local community in scheduled programs. Additionally, the university arranges regular sports competitions for colleges. Also, the university offers special sports training programs for different age groups.

METRICS

3.1 Research on health and well-being

The university faculty members produce significant number of researches on health issues, serving goal 3.



3.2 Number graduating in health professions

Measuring the proportion of graduates who receive a degree associated with a health-related profession out of the institution's total number of graduates: It was found that nearly half the graduates are from health-related professions serving healthy lives and promote well-being for all.

MUST health related profession during 2020-2021 include :

1. College of Medicine = 435
2. College of pharmaceutical sciences and drug manufacturing = 546
3. College of Oral and Dental surgery= 489
4. College of Physical therapy = 380
5. College of Nursing= 308
6. College of applied health science Technology no graduate yet.

Total = 2158

جامعة مصر للعلوم والتكنولوجيا
رأه العلمة للقبول والتسجيل

أعداد الطلاب للخريجين بجامعة مصر للعلوم والتكنولوجيا للعام الجامعي 2021/2020

| الدرجة | دور أول | | دور ثاني | | دور ثالث | | إجمالي | | الدرجة |
|------------------------------------|--------------------|------------------|----------------|---|----------------|-------|--------|-------|--------|
| | طالبة | طالبت | طالبة | طالبت | طالبة | طالبت | طالبة | طالبت | |
| العلوم الهندسية والتكنولوجيا | 61 | 12 | 194 | 27 | 52 | 6 | 307 | 45 | 352 |
| طب وجراحة اللغز والأذن | 49 | 40 | 158 | 42 | 11 | 17 | 234 | 255 | 489 |
| التكنولوجيا الحيوية | 12 | 12 | 118 | 199 | 78 | 39 | 65 | 147 | 242 |
| الإدارة والاقتصاد ونظم المعلومات | 76 | 29 | 146 | 24 | 17 | 56 | 353 | 214 | 567 |
| العلوم والتكنولوجيا | 19 | 28 | 111 | 45 | 18 | 49 | 80 | 195 | 255 |
| العلوم التطبيقية للتصنيع | 15 | 23 | 228 | 94 | 26 | 12 | 78 | 300 | 378 |
| الطب البشري | 17 | 12 | 147 | 195 | 17 | 12 | 137 | 171 | 308 |
| العلوم الصيدلانية والتصنيع الدوائي | 44 | 21 | 146 | 147 | 32 | 19 | 256 | 179 | 435 |
| العلوم البيئية | 47 | 30 | 271 | 79 | 13 | 17 | 226 | 320 | 546 |
| تكنولوجيا المعلومات وعلوم المكتبات | 11 | 27 | 233 | 128 | 28 | 11 | 188 | 44 | 232 |
| الإدارة والأعمال والعلوم | 32 | 3 | 40 | 32 | 4 | 31 | 49 | 89 | 138 |
| التربية الخاصة | 11 | 26 | 27 | 15 | 4 | 15 | 23 | 126 | 149 |
| الإجمالي | 4 | 28 | 83 | 1347 | 334 | 289 | 2079 | 2362 | 4441 |
| المكتسب | غير شانون للخريجين | مدير علم الإدارة | أهلي عبد الفير | نقيب رئيس الجامعة لشؤون التعليم والطلاب | أد محمد صبر في | | | | |

3.3 Health Impact: Collaborations and Health Services:

3.3.1 : Current collaborations with health institutions:

As regard the university role in health impact, and Considering its collaborations with other health institutions: here is a list below according to the serving college:



COLLEGE OF MEDICINE:

Souad Kafafi Hospital is a university affiliated local health institution that serves the surrounding community. In addition, MUST has been providing its surrounding environment during the corona pandemic with a fully equipped isolation hospital.

Medicine college -MUST- signed an agreement with the Egyptian Universities and Research Institutes, for training of the internship doctors. Memorandum of understanding between Gulf Medical University (GMU In UAE) and MUST was agreed upon since 2014. GMU had approached MUST to jointly implement a M.B.B.CH twining program where students spend

3 years
courses at
will be nest
clinical
courses at



preclinical
GMC and
the 3
years
MUST.



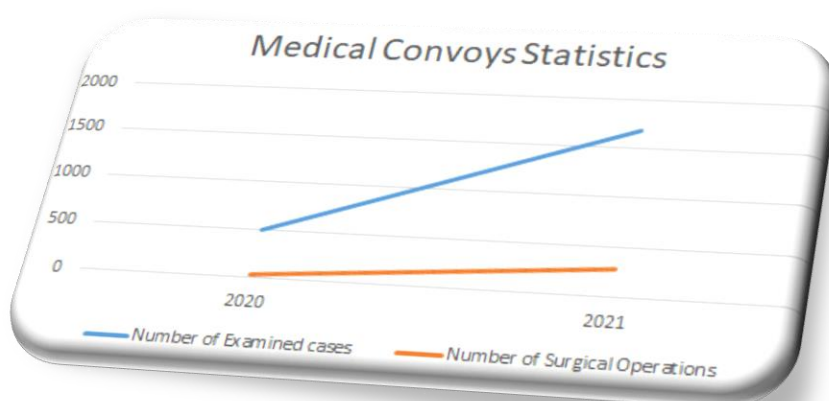
Souad Kafafi University Hospital is a giant medical edifice which embraces a selection of the most qualified doctors in various specialties and medical fields to provide distinguished therapeutic services as it provides the latest high quality medical and healthcare services according to international standards. These services are directed to meet the needs of all patients as the hospital was established according to advanced standards of medical designs and equipment.

Table 1: Annual Statistical Statement of Inpatient For the year 2021

| Total | December | November | October | September | August | July | June | May | April | March | February | January | |
|-------|----------|----------|---------|-----------|--------|------|------|-----|-------|-------|----------|---------|------|
| 6131 | 571 | 585 | 606 | 626 | 589 | 447 | 491 | 352 | 421 | 522 | 456 | 465 | 2021 |

Table 2 : Annual Statistical Statement of Emergency Unit For the year 2021

| Total | December | November | October | September | August | July | June | May | April | March | February | January | |
|-------|----------|----------|---------|-----------|--------|------|------|------|-------|-------|----------|---------|------|
| 38992 | 3475 | 3681 | 3561 | 3475 | 3450 | 2914 | 3123 | 3359 | 3372 | 3405 | 2537 | 2640 | 2021 |



<http://www.souadkafafihospital.com/>

<https://must.edu.eg/centers-and-units/dental-laser-center/>



COLLEGE OF ORAL AND DENTAL SURGERY:

College of oral and Dental surgery held a cooperation protocol to train doctors in the use of laser technology with the specialized Rama Company, which owns a group of medical centers, and dental clinics in Jeddah in the Kingdom of Saudi Arabia. Another cooperation agreement between the General Authority for Hospitals and Educational Institutes and the college of Oral and Dental surgery. There is a similar agreement with the hospitals of the Ministry of Health and Population. Cooperation between Miser University for Science and Technology and the Italian University of Genova for the professional diploma (Applications of laser in dentistry, Fellowship in Laser Dentistry).







Genova Must page:

<https://www.facebook.com/genovamustfellowships/photos>.

<https://www.facebook.com/genovamustfellowships/photos>

<https://www.facebook.com/genovamustfellowships>



COLLEGE OF PHYSICAL THERAPY:

A protocol of cooperation between the Medical Rehabilitation Center in Hemaya and the Faculty of Physiotherapy, Misr University for Science and Technology, aims to train the candidates and serve the community.

There is also a cooperation agreement between Baheya Center for Early Detection and Treatment of Breast Cancer and the Faculty of Physiotherapy since 2019, also with the Egypt Railways Medical Center and with the Agouza Rehabilitation Center, and the college also held a cooperation protocol With the Military Production Hospital in 2021 and in the same year an agreement was made between the Association of Veterans and War Victims and the College of Physiotherapy.



COLLEGE OF NURSING

A cooperation protocol between Baheya Foundation for early detection and treatment of breast tumors with the Faculty of Nursing, Misr University for Science and Technology to train graduates of the Faculty of Nursing.

Cooperation Agreement between Rofayda Hospital for Women and Child Health and the Faculty of Nursing at Misr University for Science and Technology also was agreed upon late on 2021-22.

3.3.2: Health outreach programmes:

| Provided Services | | | | Medical campaign Type | Year |
|--------------------------------|--------------------|-------------------------------|--------------------------|------------------------------|-------------|
| Referred cases to the hospital | Number of Services | Number of surgical Operations | Number of examined cases | | |

| | | | | | |
|-----|-----|-----|------|------------------------|-------------|
| 82 | 56 | 36 | 487 | 6 October Quarantine 1 | <u>2020</u> |
| 486 | 206 | 280 | 1688 | 6 October Quarantine 2 | <u>2021</u> |

SK hospital offers comprehensive free healthcare to the residents of Al-Amal district on 6 October city. Additionally, MUST own 3 Mobile Hospitals. These Medical caravans with the available consultants, specialists in most of medical specialties with medical students directed to most of the far regions all over Egypt. Two important medical convoys in 6th of October city all, were during 2020- 2021.

Table 3: Annual Statistical Statement of Medical Convoys For the years 2021 and 2022

- Total referred cases to the hospital (2250)
- Total Examined cases (19900)





Blood donation campaigns held annually with collaboration between hospital, blood bank and students. Pre-marriage screening and examination campaigns and school visits were from the numerous activities arranged all through the year. Recently, MUST Medical Student Association =MMSA has been engaged in a Memorandum of Understanding with the Ministry of Health and Population on the Plasma Donation through student ambassadors and plasma centers across the country. Many students organizations Such as MMSA , WHO MUST and MEDVISION planned awareness programs done during 2020-2021 spreading health knowledge in schools, clubs and through social media.



<https://www.facebook.com/themskuh/photos/pcb.4358655244250423/4358655080917106/?type=3&theater>

https://www.must.edu.eg/campuslife/2552/section/our_projects

<https://www.facebook.com/MMSAeg/>

COLLEGE OF ORAL AND DENTAL SURGERY:

Dental Students' Scientific Association of Egypt of Misr University for Science & Technology is nongovernmental and non-profit organization Founded in October 2016. Aims mainly to the development and promotion of public awareness of oral and dental health among Egyptians. Mouth Cancer (Online Campaign) 1-11-2020 dealt with the important and basic definitions of oral cancer, its types, and symptoms, and how we can detect the disease in its early stages.



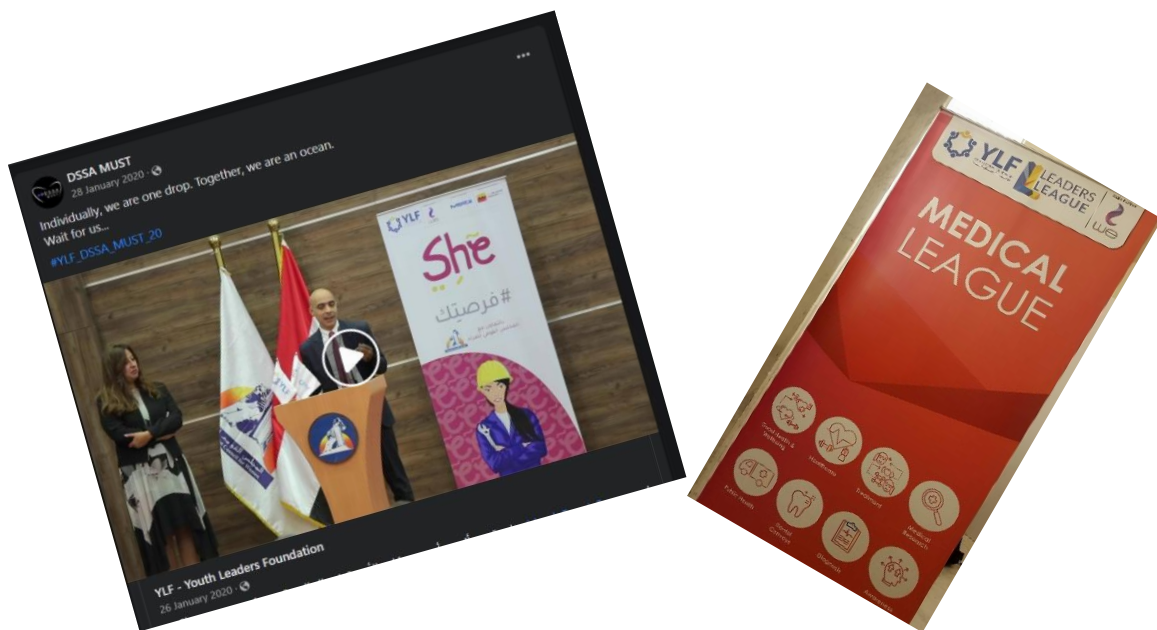
<https://www.facebook.com/media/set/?vanity=dssamust&set=a.1767060890126121>

<https://en->

[gb.facebook.com/events/335266394452074/permalink/341016053877108/](https://en-gb.facebook.com/events/335266394452074/permalink/341016053877108/)

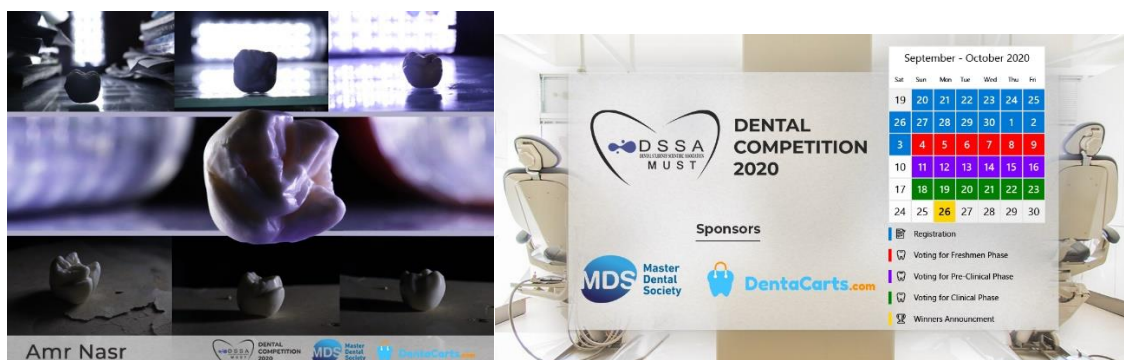


The Student Activities Platform (Leaders League) is a platform that brings together many student programs to achieve Egypt's Vision 2030 and the sustainable development goals of the United Nations.



<https://www.facebook.com/dssamust/posts/pfbid09Kirc38cbE5NtGCKHqzgoQKMVzyuipGqwcfb1bSMRWgowCyAmHE5fjB9GvfsqRHWl>

<https://fb.watch/fRxrTcPe50/>



COLLEGE OF PHARMACEUTICAL SCIENCES AND DRUG MANUFACTURING

SEF-MUST is well established factory that provides opportunities to MUST's students for training, learning and application in an actual simulation of an industrial atmosphere with the processes and procedures that take place in the manufacturing world. Thus, students can gain experience using various types of equipment starting from receiving the raw material, formulation, production up until the delivery of the final product and its being tested for the quality control of the manufactured product.

Apart from this, **SEF-MUST** started to have an important role in Community service and environment development, Consequently, **SEF-MUST** was dedicated to serve the internal environment of university with continuous production of sanitizer gel about 1 ton per day within COVID-19 pandemic furthermore, **SEF-MUST** launch a campaign named with " **Take advantage of your home pharmacy**" aim to utilize and redistribution of all available authorized medication granted as charity to poor medical centers. as well as **SEF-MUST** was a host and organizer of many workshops for many industrial companies named with (Towards zero waste, and packaging process maintaining green environments). on the other hand, **SEF-MUST** initiated the production line of pharmaceutical product as (lip balm and body butter, hand wash, sanitizer gel, cleaning surface gel, mouth wash etc.) with only cost price.





3.3.3: SHARED SPORTS FACILITIES

Misr University for Science and Technology believes that a healthy mind resides in a healthy body. Therefore, it provides interest in all sports for students and employees, as well as for public service, such as tennis, football, gym, squash court, basketball court and many different sports. Their use is available to the public at nominal prices.

Many MUST Sports Campaigns were held to Promote physical fitness in the University. Overall aim of such campaigns was to emphasize the importance of sports in health. Also, many sports academy taking MUST as their official workspace.

<https://must.edu.eg/university-life/athletics/>
<https://images.app.goo.gl/BA3yk6GBHJGwMzJb7>.
<https://images.app.goo.gl/Z1HWNbnm9rGN3XBQ7>.

LINK:

<https://www.facebook.com/CrossfitEngine38/>

Scout:

<https://m.facebook.com/pages/category/Nonprofit-Organization/MUST1scout/videos>.



3.3.4 : SEXUAL AND REPRODUCTIVE HEALTH CARE SERVICES FOR STUDENTS.

MUST Medical Student Association (MMSA) based at MUST in Egypt publicly announced in 2011, MMSA is a Full-member of IFMSA-Egypt. One of its important committees is SCORA, which Stands for Sexual & Reproductive Health and Rights including HIV&AIDS (SCORA). Topics discussed as HIV/AIDS and other STIs plus reproductive and sexual life health.

<https://www.facebook.com/media/set/?set=a.2281606725225069&type=3>

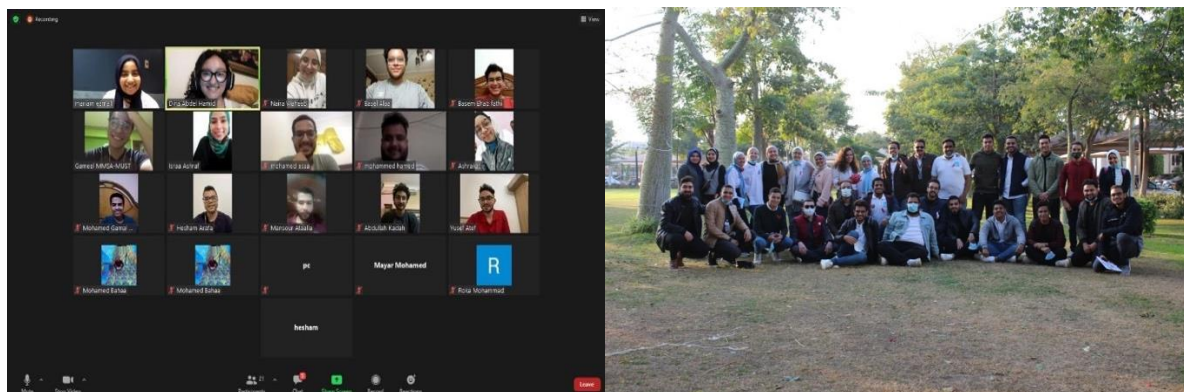
<https://www.facebook.com/media/set/?set=a.1688258837893197&type=3&sfnsn=scwspmo>



Some of the workshops and campaign held by MMSA :

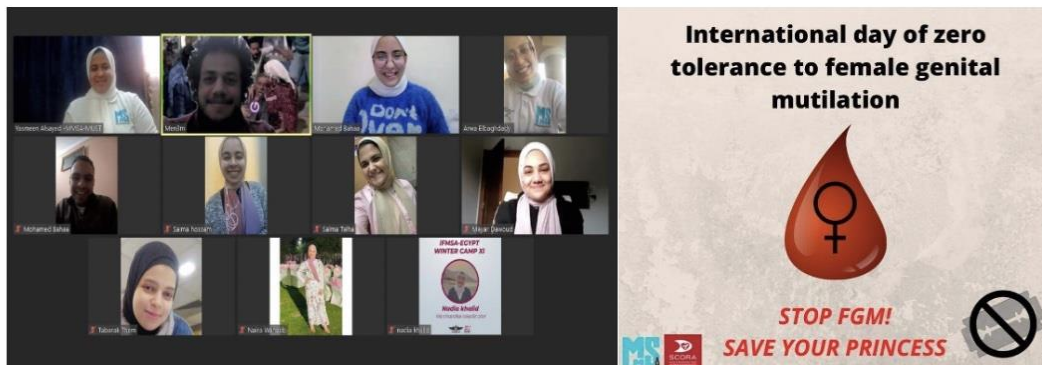
- Safe healthcare for women workshop.
- Youth engagement workshop by UNAIDS.
- Holding a fully-fledged campaign on campus to attract and educate the largest number of attendees (250). The campaign included 5 stations, each assigned to a topic on HIV/AIDS (Etiology, Symptoms, Transmission, Misconceptions & Stigma)
- The TBL team prepared an engaging show, highlighting the struggles HIV/AIDS sufferers go through especially in the Middle East.





Also, MMSA arranged Initiative post to illustration the meaning of FGM , discussing the meaning of FGM and the statistics of FGM in Egypt Discussing the types of the FGM , some misunderstanding of FGM and the risks of FGM . An online workshop was done for SCORA members, talking about what FGM means and its types concerned on the risks of FGM, the physiological and psychological harms, the medicalization of FGM and the FGM in the Egyptian law. An online debate session was made between 2 teams with and against the FGM and discussed the misconceptions.





3.3.5: MENTAL HEALTH SUPPORT:

The students carried out several awareness campaigns in the field of mental health. The students of the Faculty of Medicine made a simulation model of the World Health Organization, and presented many activities and awareness campaigns. Their last one was about mental health with so many speakers. This event was talking about mental health in August 2021. Plus they talked about many psychological issues faced by the students like anxiety, panic attacks, ADHD and how to deal with stress. MMSA celebrated the maternal mental health week through online campaign.

Mental Health

في الفترة ما بين 21/8/2021 الي 26/8/2021:

- تم استعراض مشكلة اضطراب مع بعد الصدمة عن طريق videos g posts
- خصصنا روم علي club house للنقاش علي اضطراب ما بعد الصدمة مع دكتور ريهام محفوظ و هي طبيبة نفسية و متخصصة في أبحاث علم النفس يوم 24/8/2021
- تم استضافة دكتور هشام الششتاوي استشاري الطب النفسي لمناقشة اسباب و اعراض اضطراب مع بعد الصدمة و طرق العلاج المختلفة يوم 25/8/2021
- عمل ورشة اونلاين مع د احمد حنفي الحاصل علي دكتوراه في علم النفس الكلينيكي و معالج نفسي معتمد عن الوسواس القهري يوم 28/8/2021
- خصصنا روم علي club house للنقاش علي اضطراب ما بعد الصدمة مع دكتور ريهام محفوظ و هي طبيبة نفسية و متخصصة في أبحاث علم النفس يوم 24/8/2021



Mental Health

في الفترة ما بين 26/8/2021 الى 03/09/2021:

- تم عرض مشكلة اضطراب فرط الحركة و قلة التركيز ADHD مع أسبابه و انواعه و علاجه
- استضافة د. ريهام محفوظ في روم على club house يوم 1/9/2021 في مناقشة عن ADHD
- وصلنا لخصم يصل إلى 40% على جلسات واستشارات العلاج النفسي والصحة النفسية، مقدمة من المؤسسة المصرية للعلاجات المعرفية بمقر المركز



Mental health campaign

في الفترة ما بين 31/7/2021 و 11/8/2021:

- استعراض مشاكل نفسية و كيفية التعامل معها و التحكم فيها من خلال videos g posts و lives مع دكاترة و استشاريين، و من خلال club house و workshops بالتعاون مع مبادرة محاولة
- استعراض مرض الاكتئاب و استضافة د. اسلام رمضان مدرس مساعد بقسم الصحة النفسية في جامعة عين شمس في ورشة عن التفكير الايجابي يوم 8/8/2021
- استعراض للقلق و الاكتئاب و كيف يتم علاجه و كيف نتجنب الوصول له بشكل أكبر باستضافة د. شهاب الدين الهواري اخصائي الطب النفسي و الادمان و عضو الجمعية المصرية للعلاجات العلاجية يوم 9/8/2021
- إقامة event جري بالتعاون مع octri للتدريب الرياضي يوم 14/8/2021



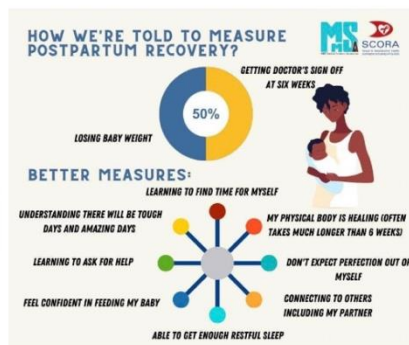


في الفترة ما بين 11/8/2021 الي يوم 20/8/2021:

- استعرضنا مشكلة اضطراب القلق العام
- استعراض مشكلة نوبات الهلع و الي قام ليها فلافيا دكتور عمرو يسري استشاري الطب النفسي و العلاقات الأسرية و علاج الادمان يوم 16/8/2020 لمناقشة اعراضها و أسبابها و كيفية تقديم الدعم
- تم النقاش حول نوبات الهلع مع د وائل كمال طبيب استشاري نفسي علي club house يوم 17/8/2021
- تم تنظيم ورشة العلاج بالفن و تمرينات رسم المشاعر و تفرغ الطاقة السلبية المدعومة من المؤسسة المصرية للعلاجات المعرفية من الأستاذة شيماء حمدي الحاصلة علي دبلوم تدريبي من المعهد الامريكى للدراسات التربوية و تنمية الموارد البشري يوم 19/8/2021
- تم النقاش حول نوبات الهلع مع د وائل كمال طبيب استشاري نفسي علي club house يوم 17/8/2021



MMSA celebrated the maternal mental health week with an online campaign spotting the light on how each mother really feels about pregnancy and how to measure the postpartum recovery.



The university has multiple psychological support units, one of which is central general for the whole university, and others are specific for each college. Where the College of Media supports student graduation projects that benefit the psychological and mental health of the community, and among the most important of these projects was the project of the film “You Are Not Alone” to support psychiatric patients and urge them to treatment, as well as a project on the autism film, which won first place in the Short Narrative Film Competition at the Sunrise Festival, There was also a student initiative to publicize the rights of people with special needs.

The students in the College of Media also launched a campaign of solidarity and cooperation in life to support mental and mental health in the community.

<https://www.facebook.com/WHOM.MUST>

<https://www.facebook.com/161137461251792/posts/764445934254272/>

<https://www.facebook.com/161137461251792/posts/527516811280520/>

Report on the psychological guidance Unit

The idea of establishing the psychological guidance Unit has been approved and supported from the leaders and administration of the university, within the framework of the university’s vision and objectives. and an affirmation of its role in caring for and supporting students’ personal, psychological, academic and life needs.

Statement of cases that follow up with the psychological guidance Unit 2020/2021

| Num of cases | College | |
|--------------|--------------------------|----|
| 5 | MEDICINE | 1 |
| 6 | DENTISTRY | 2 |
| 6 | PHARMACY | 3 |
| 3 | PHYSICAL THERAPY | 4 |
| 5 | Biotechnology | 5 |
| -- | Applied Medical Sciences | 6 |
| 8 | ENGINEERING | 7 |
| 5 | INFORMATION TECHNOLOGY | 8 |
| 4 | BUSINESS | 9 |
| 6 | MEDIA | 10 |
| 4 | F.L | 11 |
| 4 | Archaeology | 12 |
| 2 | Special Education | 13 |

3.3.6 : SMOKE-FREE POLICY IN PLACE.

The State Council, issued in 2019, banning smoking for all State Council employees, As the Egyptian laws lay down the prevention of smoking in all state institutions both governmental and non-governmental , and so state laws also apply on the MUST university. MUST campus is a smoke free campus.

MUST administration has enacted a law fining anyone who smokes in campus with a penalty equal 50 pounds. Also it is listed in some colleges internal by-laws (e.g. college of engineering), that smoking is one of the deeds that charge student with fine. Article 6 in law No 154 of 2007 was issued in Egypt, prohibits smoking In all public places. Responsible person is obligated to take the necessary measures to prevent Smoking. Violation of this obligation brought him to be punished with a fine and the smoker shall be punished with a fine too.



<http://library.must.edu.eg/policies.html>

<https://m.youm7.com/story/2019/12/30/-/مجلس-الدولة-يصدر-قرارا-بمنع-التدخين-داخل-منشآته-والغرامة-4566601/20>

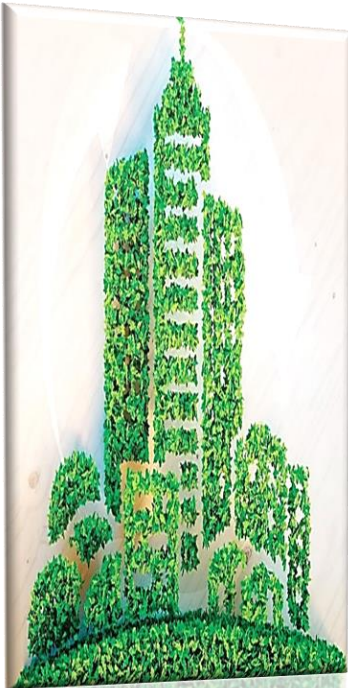




MUST Ranking Office Misr University for Science and Technology



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY



SDG 4 Quality Education





SDG 4: Quality Education

Lifelong learning measures

4.3.1 Public resources (lifelong learning).

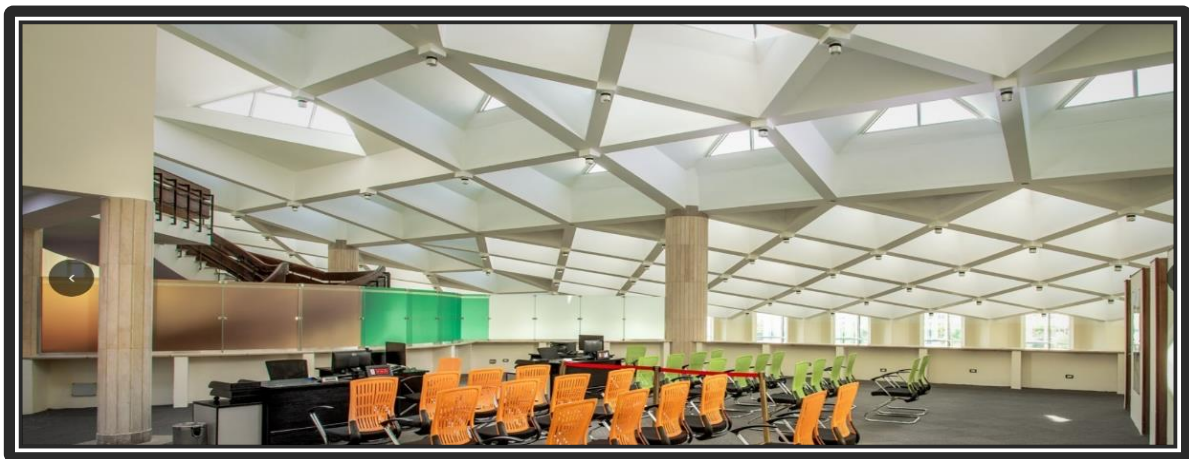


4.3.1 Public resources (lifelong learning).

Public service is MUST's intentional endeavor to provide and share its resources and experience with the public, business, and industry in order to promote lifelong learning. MUST is equipped with many free access educational resources for those not studying at the University.

1- MUST Test Center

To provide best practice in Education for all Egyptian Students, MUST Test Center is the only authorized Egyptian institution in collaboration with Person PTE to provide PTE test. “On April 1st, 2021, Pearson-the world’s learning company, hosted a virtual launch of its PTE Secure English Language Test (SELT) at Misr University of Science and Technology. These tests have been approved by the UK Home Office and are used for UK Visas & Immigration (UKVI) purposes”. MUST Test Center offers other tests like the Versant™ English Placement Test of Person (VEPT) an English proficiency test for individuals whose native language is not English. The Center offers its services to the public with free access to center building only.



<https://must.edu.eg/university-life/must-test-center/>
<https://must.edu.eg/university-life/pte-academic/>

2-Management Development Center (MDC)- MUST



Misr University for Science and Technology's management development center provides its services to the public with free access to center building only. They provide many services such as software development, social media management, graphic design and financial analysis.

HOME
ABOUT US AND YOUR SATISFACTION
SERVICES
SOLUTIONS
CONTACT US

MISSION

MDC is committed to provide superior services in every aspect of the customer's management process, leading to a noticeable improvement in the cycle performance across the whole workflow process.

VISION

Leading with inspiration and courage, we at MDC seek reliability, advancement, inspiration and definitely CHANGE!!

MDC SERVICES

SOFTWARE DEVELOPMENT

SOCIAL MEDIA MANAGEMENT

FINANCIAL ANALYSIS & FEASIBILITY STUDY

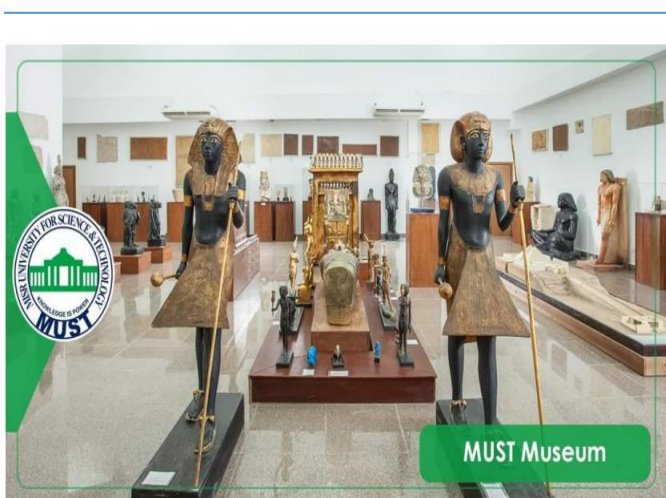
GRAPHIC DESIGN

<https://www.mdc-must.com/solutions/>
<https://www.mdc-must.com/services-2/>

3- The Heritage Educational Museum

The university has allocated two-hall in the Central Library building as an Educational Museum to display replica models of the most important archaeological art holdings necessary to familiarize students of the college of archeology and tourism guidance with the history and civilization of Egypt from prehistory to modern and contemporary eras. Also, it serves the local community visitors of all ages. The museum presentation methods include Showcases of different sizes and Wall mounts for display. The Museum is open access for students and the public free of charge.

- <https://must.edu.eg/university-life/must-museum/>

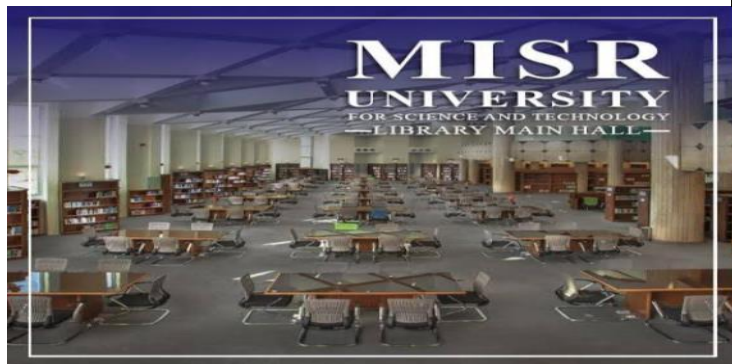
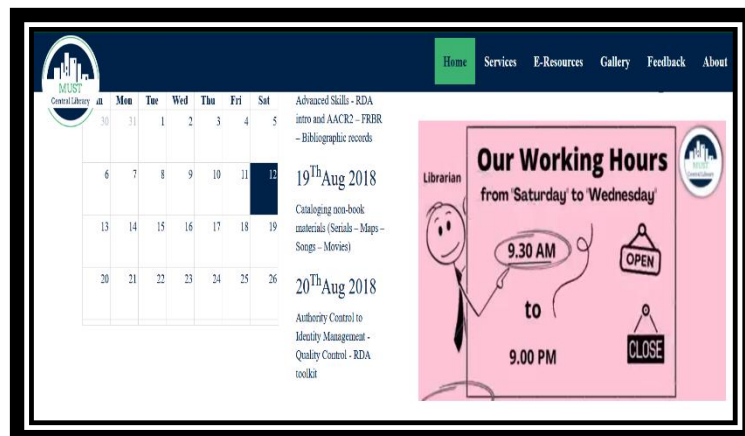




4- MUST Central Library

With its distinctive architectural design on about 3000 square meters, serves about 2000 students per day, faculty members, researchers, and the public. It contains more than 76000 titles in all fields or arts, humanities, and sciences. The library offers an online catalog that is accessible from the university's local network and through the internet. Also, the library offers good training opportunities to students specialized in Library science and information technology. The library is open for students and the public with access free of charge from 9:00 am till 9:00 pm.

- <http://mustopac.must.edu.eg/>
- <http://library.must.edu.eg/>





5- Student Exchange Center (SEC)

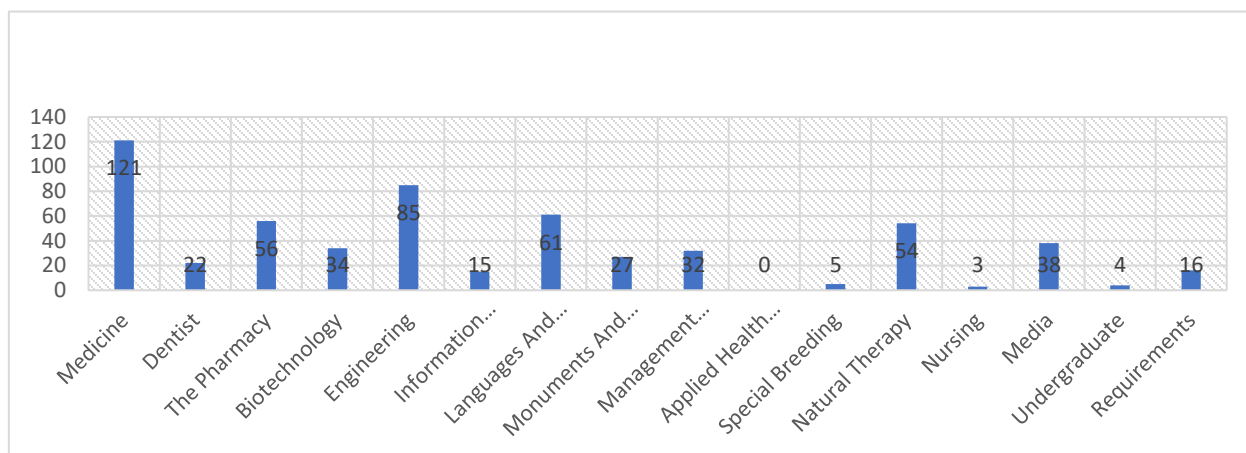
Students Exchange Center (SEC) was established at MUST in 2009 that organize students exchange programs between MUST and the other national and international universities and organizations to promote cultural interaction and provide training. It allows Egyptian students to achieve exposure to other cultures and spread the Egyptian and Arabic cultures through students' exchange and attraction of Arabic and foreign students for studying and training. Moreover, the center allows Arabic and foreign students to be acquainted with available educational programs in all collages in the university. <https://must.edu.eg/student-exchange-centre/>





6- MUST School of Continuing Education and Executive Programs (SCEEP)

MUST has gathered the Career Development Center (CDC) and all the other educational development centers under one umbrella, the MUST School of Continuing Education and Executive Programs (SCEEP). All educational trainings and executive programs of the center are available to the public with free access to center building only.



Courses offered in the academic years 2020/2021.



SDG 4: Quality Education

4.3.2 Public events (lifelong learning)





4.3.2 Public events (lifelong learning)

Misr University for Science and Technology offered educational activities on campus as well as online educational events that were open to the general public during the academic year 2020-2021. MUST Opera House hosts international and national shows and festivals. Festivals and Conferences that host celebrities from all over Egypt are also held in the Opera House and is open for the public.

EGY 2021
مؤتمر ومعرض مصر الدولي لعلم طب الأسنان
EGY DENTAL INTERNATIONAL CONGRESS AND EXHIBITION

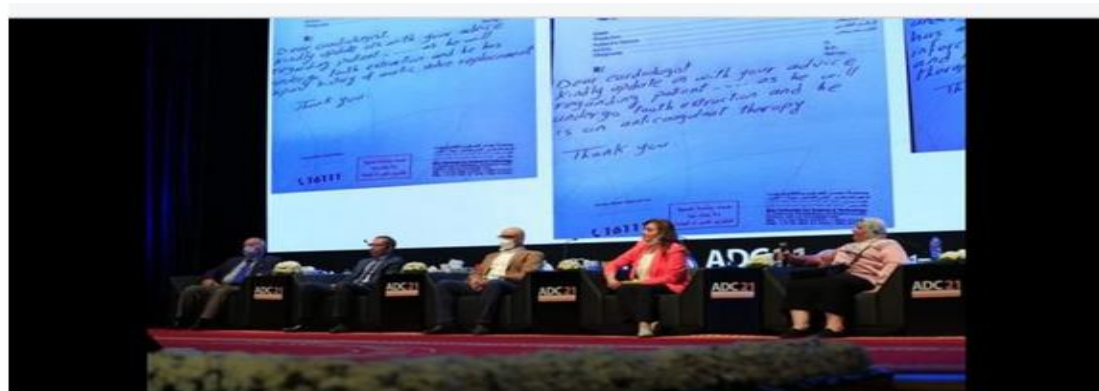
ROLE OF LASER IN DENTAL PRACTICE

Accredited from Genova University by 5 Credit Hours.
Extra Certificate from Genova University Received in MUST

LIVE DEMO + HANDS-ON Sheep Heads

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REGISTRATION THROUGH MUST LASER TEAM +201118551887 +201140704740 +201009176232



Misr University For Science and Technology

Timeline photos · 28 Oct 2021 ·

[View full size](#)



| Sunday 31.10.2020 | |
|---------------------|---|
| 09:00 AM - 10:00 AM | Workshop part 1: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 10:00 AM - 10:15 AM | Coffee Break |
| 10:15 AM - 10:30 AM | Workshop part 2: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 10:30 AM - 10:45 AM | Workshop part 3: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 10:45 AM - 11:00 AM | Workshop part 4: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 11:00 AM - 11:15 AM | Coffee Break |
| 11:15 AM - 11:30 AM | Workshop part 5: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 11:30 AM - 11:45 AM | Workshop part 6: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |

| AGENDA | |
|---|---|
| The 2 nd Bioinformatics Workshop Avenue: Conference Hall, Misr University for Science and Technology (MUST) | |
| 09:00 AM - 10:00 AM | Registration |
| 09:00 AM - 10:00 AM | Workshop part 1: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 10:00 AM - 10:15 AM | Coffee Break |
| 10:15 AM - 10:30 AM | Workshop part 2: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 10:30 AM - 10:45 AM | Workshop part 3: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 10:45 AM - 11:00 AM | Workshop part 4: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 11:00 AM - 11:15 AM | Coffee Break |
| 11:15 AM - 11:30 AM | Workshop part 5: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |
| 11:30 AM - 11:45 AM | Workshop part 6: Introduction to Bioinformatics: Lecture using Galaxy Bioinformatics Dr. Mohamed Elmaghrabi, Research Institute, Nile University, Cairo, Egypt |

Arab Manuscript Annual Day Celebration-2022



Medical Challenge in Covid-19 Era the 7th annual congress of College of Medicine.

تحت رعاية

السيد رئيس مجلس الامناء الأستاذ/ خالد الطوخى
والسيد الأستاذ الدكتور / محمد العزازي رئيس الجامعة
والسيد الأستاذ الدكتور/ عمرو الليثي نائب رئيس الجامعة لشؤون خدمة المجتمع وتنمية البيئة
والسيد الأستاذ الدكتور / باهر أبو ستيت عميد كلية الهندسة

انعقاد ندوة تعريفية بعنوان "الخريج الرقمي وآليات التوظيف الحديثة"
كلية الهندسة بالتعاون مع شركة (Next Academy)

يوم الأربعاء الموافق 18/11/2020 الساعة الواحدة والنصف ظهرا بقاعة المؤتمرات الرئيسية ببنى الإدارة



تحت رعاية

السيد رئيس مجلس الامناء
الأستاذ/ خالد الطوخى
والسيد الأستاذ الدكتور
محمد العزازي رئيس الجامعة
والسيد الأستاذ الدكتور/ عمرو الليثي
نائب رئيس الجامعة
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جدول أعمال ورشة العمل

| الوقت | الموضوع |
|---------------|--|
| 12:00 - 12:30 | 1. كلمة السيد رئيس الجامعة |
| 12:30 - 13:00 | 2. كلمة السيد عميد كلية الهندسة |
| 13:00 - 13:30 | 3. كلمة السيد مدير عام شركة (Next Academy) |
| 13:30 - 14:00 | 4. كلمة السيد مدير عام شركة (Next Academy) |
| 14:00 - 14:30 | 5. كلمة السيد مدير عام شركة (Next Academy) |
| 14:30 - 15:00 | 6. كلمة السيد مدير عام شركة (Next Academy) |

كلية الهندسة بالتعاون مع شركة (Next Academy)

يوم الأربعاء الموافق 18/11/2020 الساعة الواحدة والنصف ظهرا
بقاعة المؤتمرات الرئيسية ببنى الإدارة

Egypt
28 NOV | 10 AM
LIVE
CONFERENCE
ORGANIZATION

ACIT'2020
THE INTERNATIONAL ARAB CONFERENCE
ON INFORMATION TECHNOLOGY
MISR UNIVERSITY FOR SCIENCE & TECHNOLOGY
28 - 30, November, 2020, 8 of October, Egypt.

In Collaboration With

IEEE Scopus

GENERAL CHAIRS

Mr. Khalid Attokhy
President of Board of Trustees
MUST UNIVERSITY

Prof. Dr. M. Elazzazi
University President
Honorary Conference President
MUST UNIVERSITY

Prof. Dr. Hany Harb
College of Information Technology Dean
Conference President
MUST UNIVERSITY

Welcome Message

On behalf of the organizing committee, we welcome you to The International Arab Conference on Information Technology (ACIT'2020) in Misr University for Science & Technology, Egypt. The International Arab Conference on Information Technology (ACIT'2020) is a forum for scientists, engineers, and practitioners to present their latest research, results, ideas, developments, and applications in all areas of information technology.

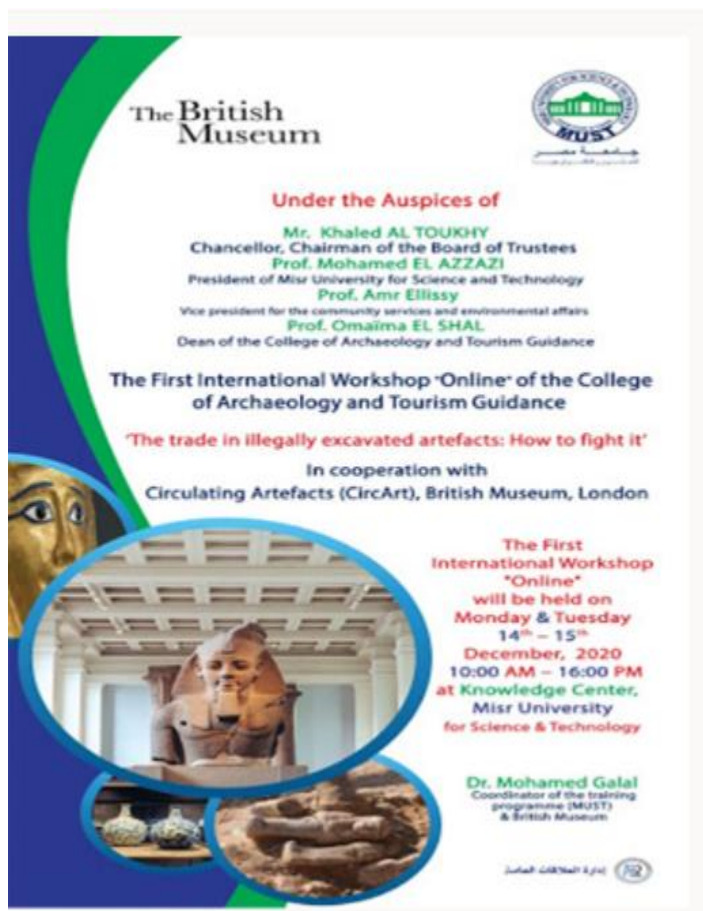
The conference program exhibits exciting presentations to contributed papers and state-of-the-art lectures by invited keynote speakers. Tutorials on current issues and special sessions on new trends related to information technology and software industry could be organized.

The conference is online with LIVE connection for all delegates from around the world.

LIVE Virtual Presentations.

LIVE Pre-Recorded Presentations.

ACIT'2020 TOPICS



The annual celebration of the International Day of the Arabic Language



MUST organized Free online educational events accessible for public.

Children's University

Children's Universities have been developed to engage with children in the context of higher education in order to enable such children to meet professors and scientists as role models and to share their everyday curiosity with professional scientists and researchers. Children's University is an educational project which is increasingly wide spreading all over the world. Children's University introduces school children to scientific and critical thinking, creativity, questioning, and problem-solving. Children's University National program is expected to start operating through more



than 27

Governmental and Private Egyptian Universities. It's a program which introduces students from the ages of 9 years to 15 years to exciting learning activities. Activities start outside the normal school day within neighborhood university premises, then extends under the same umbrella in schools; before school, during lunchtime, after school, during weekends or holidays, etc. <https://must.edu.eg/childrens-university/>



MUST Central Library organized many activities, events and workshops to serve the university community both internally and externally to serve the community of researchers, scholars and scientific research students from students, staff, faculty members and beneficiaries from outside the university.

MUST Central Library

١٥ ديسمبر ٢٠٢٠ الساعة ٢:٣٧ م

تُعلن المكتبة المركزية عن إقامة ورشة عمل "كيف تصبح باحثًا علميًا" عبر شبكة الإنترنت (zoom meeting) وذلك يوم السبت من كل أسبوع من الساعة الخامسة حتى الساعة السابعة مساءً.

zoom meeting ID: 785 0612 7626
passcode: MUSTLIB

<https://us04web.zoom.us/j/78506127626?pwd=QlprSzZkdjZlYmVQdWp4WHFwQXh3UT09>



Workshop entitled how to become a scientific researcher December 2020.

https://www.facebook.com/watch/?v=368052281146244&extid=NS-UNK-UNK-UNK-IOI_GK0T-GK1C&ref=sharing

https://m.facebook.com/story.php?story_fbid=pfbid02oTtM1eBQsXhynV9FkBwx4V5kNUBWkDcCy7qQFJuGKrawVjgNrsXe6n2LeynBP8XXI&id=535259530185322

https://www.facebook.com/watch/?v=293647725248620&extid=NS-UNK-UNK-UNK-IOI_GK0T-GK1C&ref=sharing



Training opportunity for 8 library specialists holding a Bachelor of Arts - Department of Libraries, Documents and Information Technology September 2021.

https://m.facebook.com/story.php?story_fbid=pfbid0wsqXR9bVziwyyV8hDRE9ccdZkNBbaKd182XQYuby8G9NkWiCpX1mztNeVCd1Hykyl&id=535259530185322

Courses offered in the academic years 2020/2021.



SDG 4: Quality Education

4.3.3 Vocational training events (lifelong learning)



4.3.3 Vocational training events (lifelong learning)

Misr University for Science and Technology host executive education programs at university that are open to the general public :

Dental Laser Center at Misr University for Science and Technology offerd fellowship course of in collaboration with University of Genoa for any bachelor's degree Dentistry Student from an Egyptian university or an equivalent accredited university in the academic year 2020-2021. This is a one-year course of study and examination in the use of laser as an adjunct to clinical dental surgery and medicine.



Genova-Must Fellowships | Facebook

<https://must.edu.eg/centers-and-units/dental-laser-center/>

Mini MBA

The Consulting and Training Center in MUST offers the Mini MBA program, which is an integrated training program that strives to qualify participants to absorb modern concepts in business administration and how to apply them in practice. The program also helps to qualify learners for occupying leadership positions in international institutions and companies. This is achieved by offering a carefully selected collection of various management sciences that are specially designed for this purpose. Moreover, with the increase in the job market competition, this program prepares learners for better employment opportunities by providing academic and professional support to all those wishing to hone their practical and professional experience.



https://m.facebook.com/story.php?story_fbid=pfbid0WQoQsmDpQQTMtdYgRLyk1hsWDjXxfYtBSJKjzZPLoTqP1gShX3zfSs6VFSWH3RG4I&id=146848488721550



Student Experimental Factory (SEF)

Student experimental factory (SEF-MUST) is a private unique profit entity its benefit oriented to research improvement and community services branched from industrial pharmacy department of Misr University of Science and Technology. Since its launching in 2019, SEF-MUST provide its facilities and services not only for MUST's students but for all undergraduate and postgraduate students, researchers in different fields, and pharmaceutical companies. Their services include Professional training program as advanced professional training course in cosmetics manufacturing, advanced Approaches in Biopharmaceutical Manufacturing Training Course, and others, Problem solving and consultation that serve R&D of pharmaceutical companies as (kaha company, and Luna cosmetics... etc.) and Research services, equipment renting, biostatistical studies for researchers.





SEF Activities

1. Workshops

- (Research and development workshop) (February 2020)
Recognizing the importance of specialization in research and development in factories and its value in solving research and product development problems, it was organized at the SEF-MUST Experimental Student Factory on February 9, 2020, and the trainer was Dr. Mohamed Al-Dagwi.
- (Advanced technology in tableting workshop) (February 2020)
Identifying the modern methods and methods of pressing drug tablets and determining the shapes and characteristics of pharmaceutical tablets in the market and various pharmaceutical companies, as they organized in the experimental student factory at the college.

For more information scan the QR code

SEF Activities

- (The most 7 problems facing fresh graduates Workshop) (July 2021)
An online workshop was presented by Dr. Ahmed Al-Juwaili, as it was targeting newly graduated students and its topic was about the seven most important problems facing recent graduates, and the transfer of practical experiences through the labor market, specifically working in pharmacies. It was organized in the experimental student factory at the college.
- (Packaging) (July 2021)
Packaging of Food, Cosmetics, and pharmaceutical products -this is due to our belief in the university's role as a link between academic life and professional scientific life. SEF MUST has provided this training to EPSF students - MUST
This is in order to ensure that we continue our permanent role in the development system, which was presented by Dr. Rehab monem-Ass. prof in the Department of Industrial Pharmacy over

For more information scan the QR code

SEF Activities

Advanced approaches in Biopharmaceutical manufacturing

- Trainees learn about the most important methods of research and development, benefit from experiences, and know the latest methods in product development and special services in the field of pharmaceutical manufacturing.
- The trainees use different methods to extract the active substances from natural plant sources and then freeze them for use in the treatment of different diseases and know the possible interventions between medicines and herbs.
- The trainees know the recent developments in nanotechnology in the development of medicines, whether they are from plant or genetic sources, and know the differences between them in manufacturing methods and the integration between nanotechnology and genetics, in order to improve solubility and increase the effectiveness of drugs and treatment of diseases.

SEF Activities

Advanced Professional Diploma in Cosmetics Manufacturing

Where the trainees receive comprehensive and intensive training by distinguished physicians of dermatologists and pharmacists, enabling them to know everything related to cosmetics, starting from extracting the active substance from natural sources, ending with obtaining a final product that can be registered and methods of registration at the Ministry of Health, where 800 graduate students from different universities were participated through different waves.

Honorary membership of SEF-MUST is granted for the best project winner during the diploma period. This project and its implementing members are evaluated by the



SEF Activities

3. Manufacturing lines

SEF-MUST started to have an important role in Community service and environment development, Consequently, SEF-MUST was dedicated serving the internal environment of the university with continuous production of sanitizer gel about 1 ton per day during COVID-19 pandemic also the factory produces antiseptics, liquid soap, and mouthwash, and it also produces some cosmetic preparations such as butter and lip palm.





SDG 4: Quality Education

4.3.4 Education outreach activities beyond campus





4.3.4 Education outreach activities beyond campus

Many educational outreaches activities for wider communities were provided during the academic year 2020-2021.

The College of Oral and Dental Surgery- Misr University for Science and Technology conducted a cooperation agreement with the specialist Rama Company, which runs a chain of medical institutions and dental clinics in Jeddah, Saudi Arabia, to train dentists in the Kingdom of Saudi Arabia how to use laser technology.

بروتوكول تعاون لتدريب الأطباء في استخدام تقنية الليزر في طب الأسنان

جامعة مصر للعلوم والتكنولوجيا
تعريف عن الجامعة :-

لقد أنشأت جامعة مصر للعلوم والتكنولوجيا بقرار جمهوري رقم ٢٤٥ لعام ١٩٩٦ وفقاً للقانون ١٠١ لعام ١٩٩٢ الذي ينظم إنشاء وإدارة الجامعات الخاصة في جمهورية مصر العربية ، وهي جامعة خاصة معترف بها منشأه طبقاً للقانون وتعمل تحت إشراف مجلس الجامعات الخاصة الذي يرأسه معالي وزير التعليم العالي. وتتبع جميع كليات الجامعة نظام الساعات المعتمدة في التدريس (Credit hours)

كلية طب وجراحة الفم والأسنان / جامعة مصر للعلوم والتكنولوجيا
التعريف بالكلية :-

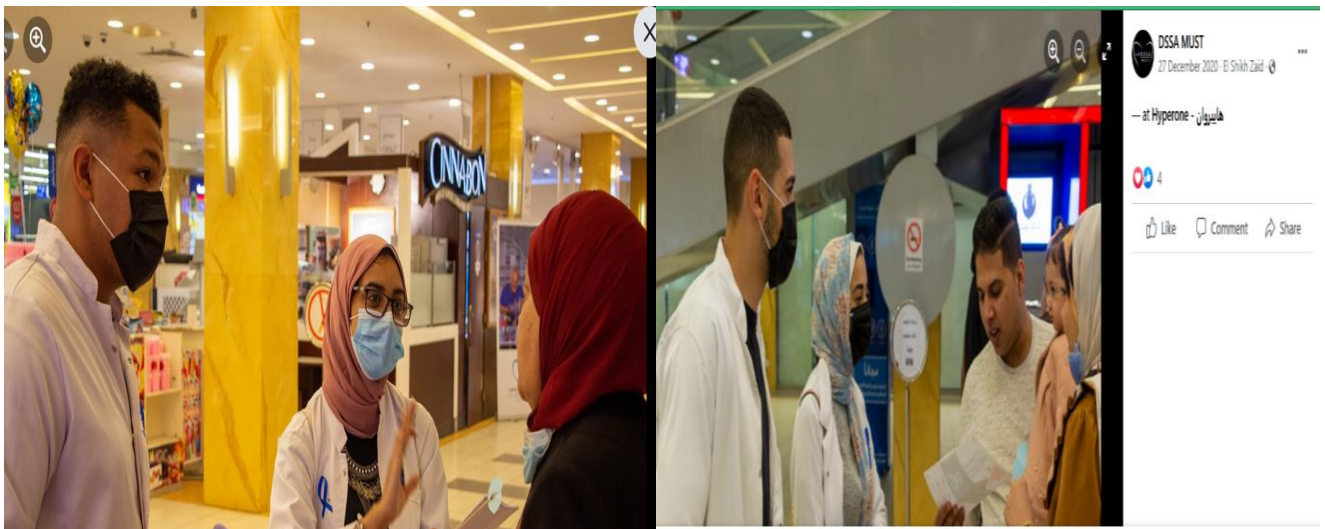
تأسست الكلية عام ١٩٩٧ وبدأت الدراسة بها خريف ذات العام، ولقد تمت معادلة البكالوريوس في طب وجراحة الفم والأسنان التي تمنحها الكلية بمثلتها من الجامعات الحكومية ، ولقد تخرجت أول دفعة من الكلية في الفصل الدراسي ربيع ٢٠٠٢ من العام الجامعي ٢٠٠١ - ٢٠٠٢ .

و في عام ٢٠١٤ تم إنشاء مركز التدريب علي تطبيقات الليزر في مجال طب الأسنان بالتعاون مع جامعة جنوه بإيطاليا و يمنح المركز درجة الزمالة .

شركة راما المتخصصة
التعريف بالشركة:-

تأسست الشركة عام ٢٠١٤ ومقرها في جدة - حي الحمراء - شارع فلسطين - بناية نورا بهدف ادارة المستوصفات ومجمع العيادات والمراكز الطبية وعيادات الأسنان بموجب خطاب وزارة الصحة رقم ٧٤٥٧٤ في تاريخ ٢٠١٥/١/٦ وترخيص رقم ٣١١-٥٠-١٣-١٠١-٢٦ في تخصص الأسنان والجلدية بموجب ترخيص رقم ١٠٠٢٠-٠٩٦-١٣-١٠١-٢٦ . ويمثل الشركة الأستاذ / عيسى عبدالله يحي آل صمغ كما هو موضح في شهادة تسجيل الشركة.

Mouth Cancer Action 2020 was an educational outreach done by DSSA- MUST, a dental student organization. Hyper One and Green Park at 6th of October City hosted the educational awareness “Take care of yourself, keep your mouth healthy”. The educational outreaches were about oral and pharyngeal cancer its seriousness, symptoms and risk factors and how to diagnose oral cancer, in addition to raising awareness against the second wave of COVID19 that was spreading, and the most important precautionary measures to avoid it.



<https://www.facebook.com/media/set/?vanity=dssamust&set=a.1767060890126121>

EPSF- MUST is an independent student organization, they participated in many initiatives like Women's Campaign to ensure that every woman is aware of her health rights and how to deal with the diseases she is exposed to at all phases of her life, as well as the social challenges she suffers due to illiteracy and society's environment, which affects her physical and emotional health.



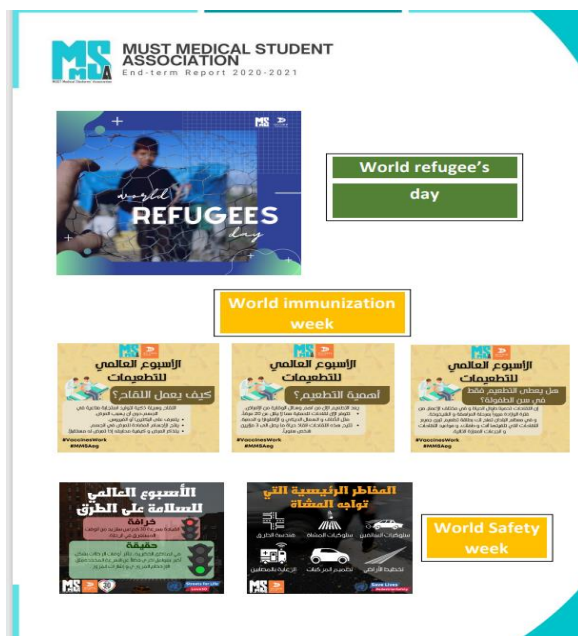
Women Campaign- Club Awareness

<https://www.facebook.com/media/set/?set=a.3126972850907253&type=3>

“MUST Medical Student Association (MMSA) based at Misr University for Science and Technology is a non-profit organization run by volunteer Medical Students. MMSA plays an active role in the community via their awareness campaigns. MMSA helps and guides the less fortunate portions of our society and teach students how to have an active role and to participate in Humanitarian Projects.

<http://mmsa-eg.com/>

<https://www.facebook.com/MMSAeg/>





SDG 4: Quality Education

4.3.5 Lifelong learning access policy





4.3.5 Lifelong learning access policy

Even though Misr University for Science and Technology (MUST) was established 25 years ago, it still follows founder's mission of serving the community and its residents. The university always puts society on the top of its priorities, that way [the university remains the least in tuition fees among all the private universities in Egypt](#) to enable a large sector of students to fulfil their educational dreams regardless of ethnicity, religion, disability, immigration status or gender. The admission policy for any educational activity on campus is clear that Misr University for Science and Technology (MUST) admits qualified students regardless of their race, color, religion, gender or national origin, and the university follows the rules and regulations of admission set forth by the Supreme Council of Universities and the Private Universities Council.

<https://must.edu.eg/apply-to-must/>



MUST Ranking Office Misr University for Science and Technology



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

SDG5 (Gender Equality)

5 GENDER
EQUALITY



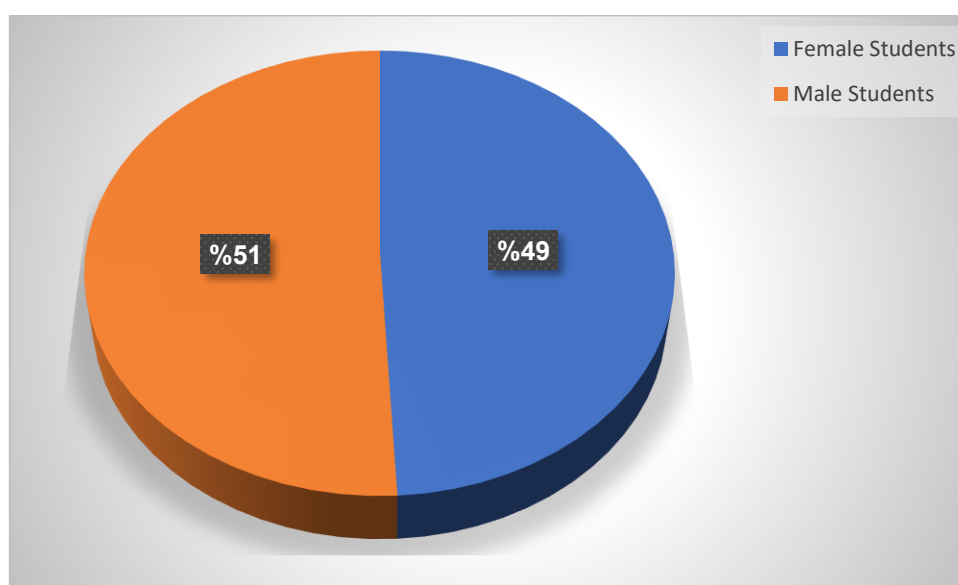
SDG5 (Gender Equality)

Metrics and indicators

5.3 Student access measures

5.3.1. Tracking access measures Year: 2021

Tracking measurements at Misr University for science and Technology proved that the percentage of female students was 49% compared to 51% for male students in the academic year 2020-2021.



The percentage of female and male students at Misr University for Science and Technology in the academic year 2020-2021.

5.3.2. Policy for women applications and entry Year: in place by 2021

There is a policy to measure the registration and admission of women into our university which has been implemented from the year 2006 and the old registration system has been replaced with the banner system in 2018/2019. The policy is announced on the official website of Misr University for Science and Technology. The owner Prof. Soad Kafafy (God bless her sole) had a clear message to support females since the beginning of MUST University in 2010. Policies reviewing process occurred and was updated regularly.

Policy created in 2010

Policy reviewed in 2019

<https://must.edu.eg/apply-to-must/>.

5.3.3. Women's access schemes Year: 2021

Our university as a body provides women's access schemes via the mentoring system that is provided for all university students. There are also scholarships and financial aid provided for female and male students without any discrimination.

Admission Policy

- Misr University for Science and Technology (MUST) admits qualified students regardless of their race, color, religion, gender or national origin.
- The university follows the rules and regulations of admission set forth by the Supreme Council of Universities and the Private Universities Council.

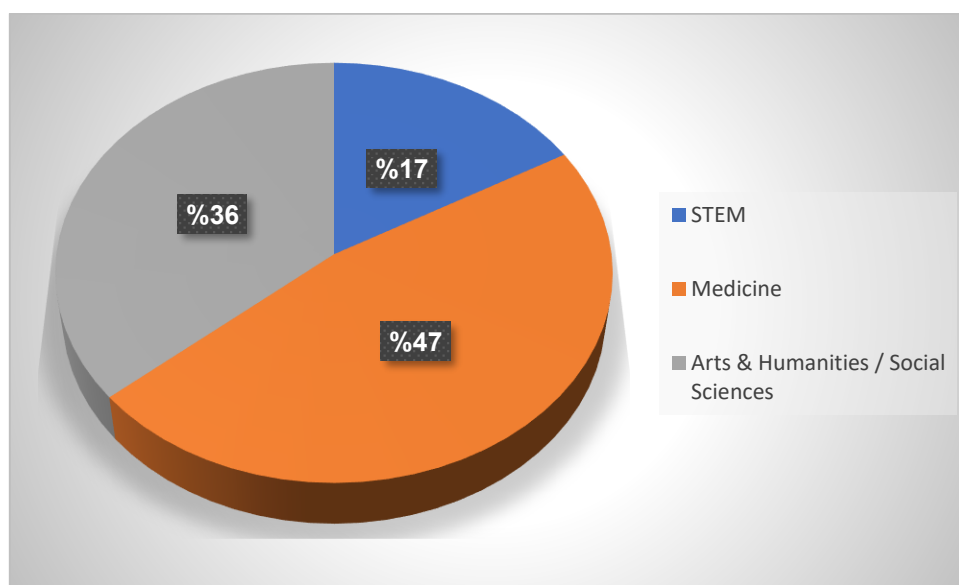
<https://must.edu.eg/academics/>

<https://must.edu.eg/apply-to-must/>

5.3.4. Women's application in underrepresented subjects Year: 2021

MUST does not have a scheme to encourage women's application in underrepresented subjects because women are well represented in all different subjects according to their interests for example, in the medical sector female represent 50.7%. Also, Arts and humanities/social sciences females represent 38.9%. Additionally, female students are underrepresented in STEM subjects by

10.3% due to social preferences. MUST University organized workshops and webinars to encourage students to join STEM subjects.

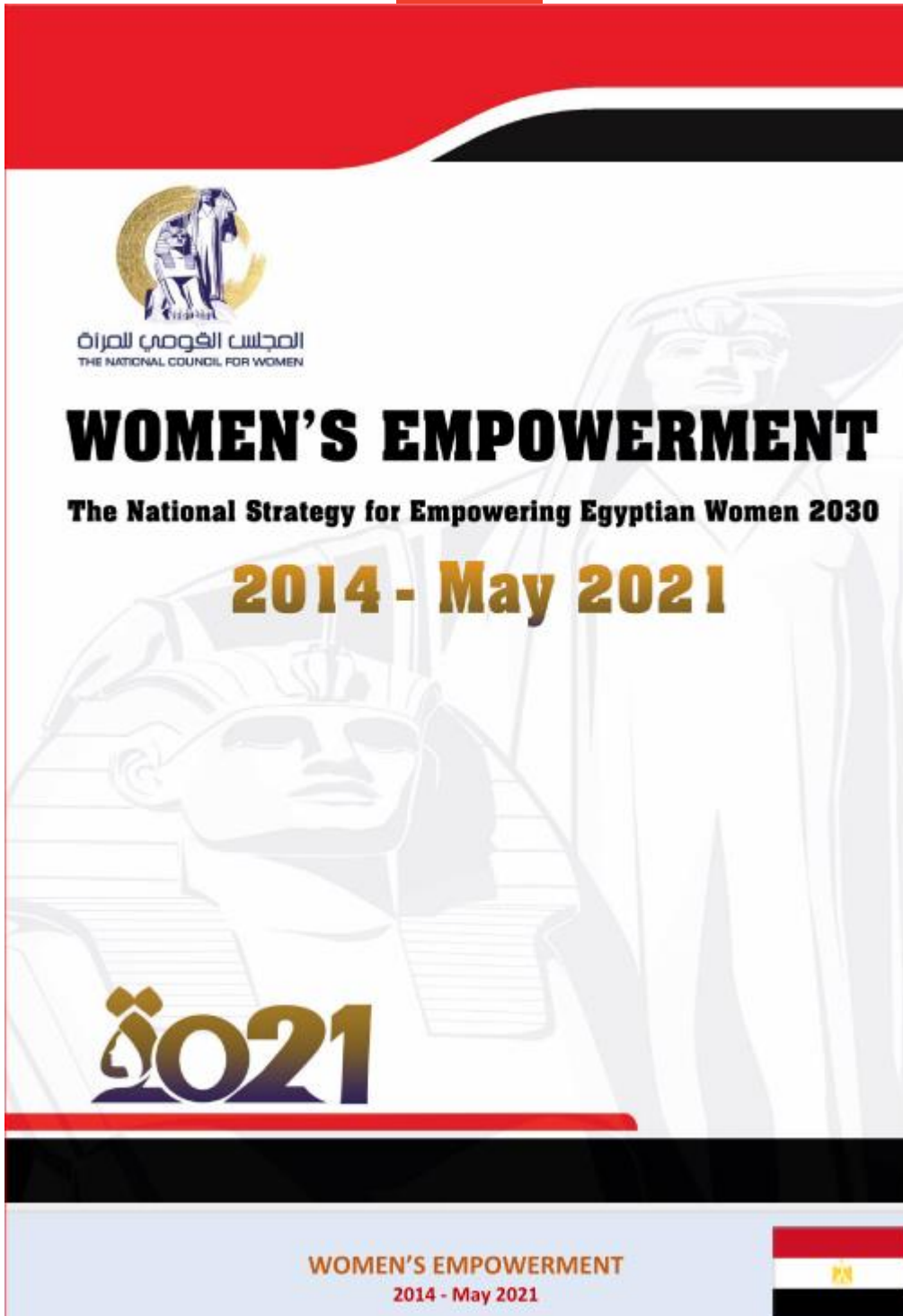


5.6. Women's progress measures

5.6.1. Policy of non-discrimination against women Year: in place by 2021

Egypt is the first country in the world to launch a national women's strategy for 2030 that is aligned with the SDGs, confirming the country's commitment to achieving women's empowerment. Egyptian women and their determination to play an active role in women's advancement. The President of Egypt adopted the National Strategy for the Empowerment of Egyptian Women 2030 in 2017. Directive to the Egyptian government to adopt all its contents and use them as a guide and a roadmap for all work related to women's empowerment.

MUST follows the laws enacted to protect women from discrimination, as well as the constitution of the Arab Republic of Egypt Promulgation of 2014, Chapter Three: Public Rights, Freedoms, and Duties, Article: 53. "The state shall take all necessary measures to eliminate all forms of discrimination," the law states, "and the establishment of an independent commission for this purpose shall be regulated."



Human Rights of Women, Children, Persons with Disabilities, Youth, and the Elderly are addressed in this focus area in five items, each highlighting strengths and opportunities, challenges and concluding with target results.

I. Women's Rights

Strengths and Opportunities

1. The Egyptian Constitution highlights the values of equality between men and women and ensures women's rights in all fields of life. Accordingly, the State commits to ensuring women's rights, realizing the principles of equality, justice, non-discrimination and equal opportunity.
2. The National Council for Women undertakes an active role in protecting and enhancing women's rights, freedoms and empowerment, and in promoting values of equality, equal opportunity, and non-discrimination.
3. The gender equality concept was integrated in Egypt's Strategy for Sustainable Development "Egypt Vision 2030".
4. Tangible progress was achieved in terms of the political, economic and social empowerment of women by implementing the "National Strategy for the Empowerment of Egyptian Woman 2030", which is the roadmap for the government to carry out all programs and activities related to women's empowerment and gender equality.
5. A mechanism was created to monitor policies and procedures taken to fight against Covid-19, considering women's needs, particularly those with disabilities, elderly and pregnant women.
6. Political Empowerment of Women:
 - a The Constitution enhances women's political participation, access to public and top management positions and appointment in the judicial authorities without any discrimination.
 - b The Constitution provides guarantees and protection for women. It ensures their right to vote in all public elections and referendums. They shall have the right to run for elections in all bodies where members are elected by public vote. The State provides all measures to ensure that women are properly represented in the parliament. It allocated a 25-percent quota for women in local councils. The 2019 constitutional amendments provided women

with a permanent representation of not less than 25 percent of the seats of the House of Representatives. Accordingly, the House of Representatives law was amended. The Senate Law stipulates that women shall occupy not less than 10 percent of the Senate seats.

- c There is an increase in women's participation in voting and nomination for elections. Women's representation reached 27 percent in the House of Representatives and around 14 percent in the Senate. In the context of continuous efforts towards enhancing the political participation of women, and their leadership roles as well as their roles in public work, women currently hold 25 percent of ministerial positions, 25 percent of top positions of the Central Bank and 12 percent of seats on boards of directors of banks. For the first time, two women were appointed as governors. Moreover, 31 percent of deputy governors' positions and 27 percent of deputy ministers' positions were accounted for by women. Women now preside over districts, city councils and villages. The first female advisor to the President for National Security Affairs was appointed.
 - d More women hold judicial positions. The State Council and the Public Prosecution started appointing a number of female judges. This is based on the State's approach to appoint women in the Public Prosecutor's Office and the State Council. This step gives effect to the constitutional entitlement of equality and non-discrimination, and stresses women's competence to hold different positions.
7. Economic Empowerment of Women
- a Many laws and legislative reforms were issued to enhance the economic rights of women, including the Civil Service Law, which provides benefits to working mothers.
 - b The law of inheritance was amended to punish those who withhold inheritance from those who have the right thereto.
 - c Article 2 of the new Investment Law No. 72 is drafted to ensure equal investment opportunities for women and men, and empower the small and medium enterprises, youth and entrepreneurship.
 - d Equal opportunity units were established in all ministries to realize gender equality in workplace and address discriminatory

practices against women. By virtue of Decree No. 1 of 2019 by the Minister of Manpower, a unit was created to achieve gender equality and eliminate all forms of discrimination against women in the workplace.

- e More women participate in the labor market, with a lower unemployment rates among women as compared to men.
- f Women accounts for 78 percent of "Takaful and Karama" beneficiaries to realize their economic empowerment and improve their families' conditions.
- g The Ministry of Social Solidarity provides soft loans for women's small and micro enterprises, with the principal capital of these loans reaching EGP 1.4 billion directed to 240,000 women for small and micro enterprises. It should be noted that 70 percent of projects are concentrated in rural areas as a form of economic empowerment for rural women. Women accounted for 75 percent of total loans compared to 25 percent for men.
- h "Forsa" program was launched to empower women benefiting from "Takaful" pension program to have decent job opportunities through micro enterprises funded by the Ministry of Social Solidarity.
- i Several projects were carried out to enhance women's economic empowerment, and to provide many programs of rehabilitation, training and awareness for women..
- j More small and medium enterprises are now chaired by women; small enterprises targeting women accounted for 69 percent in 2018.
- k Women's financial inclusion is promoted by increasing women's savings and entrepreneurship.
- l The Minister of Manpower issued two decrees in 2021 cancelling all previous decrees deemed discriminatory against women and lifting the ban on the employment of women in industries, professions and businesses. They explicitly stipulate the right of women to work during night shifts upon their request. All these procedures are part of efforts to observe principles of equal opportunity, gender equality, non-discrimination at workplace and ensuring the right to health and social care. In the same

vein, measures are taken, and services are provided in relation to safe travel, professional safety and working mothers' rights.

- m The Financial Regulatory Authority issued resolutions prohibiting any gender discrimination in dealing with clients of financial companies. Women-sensitive non-banking financial products were developed.

8. Social Empowerment of Women

- a More women are enrolled in education and hold university degrees; and the rates of illiteracy and dropout from schools have decreased among women and girls.
- b The Constitution guarantees protection of and care for mothers and children, breadwinners, elderly and underprivileged women.
- c Less maternal mortality is recorded.
- d A Presidential initiative was launched to support women's health, targeting to examine 30 million women over 18 years. It seeks to achieve early detection of breast tumors and any other incommunicable diseases and provide family planning services. 11 million women had access to the initiative until December 2020.
- e More awareness of reproductive health, family planning and healthy life is achieved. The "National Strategy for Reproductive Health 2015-2020" was issued.
- f Women have access to social protection programs including conditional cash transfers program "Takaful and Karama" and "Haya Karima"(Decent Life) initiative.
- g In 2018, the President launched "No more people detained for debts in Egypt" initiative to pay men and women's debts at a cost of EGP 42 million.

9. Protection of Women Against All Forms of Violence and Harmful Practices

- a In 2015, three national strategies were launched: "National Strategy for Combating Violence Against Women", "National Strategy against Female Genital Mutilation", and "National Strategy for Elimination of Early Marriage".

and Children's Rights Sector of the Ministry of Justice, women hosting and guidance centers of the Ministry of Social Solidarity, Anti-violence Unit of the National Council for Women, Anti-harassment and Violence Against Women Units in Universities, equal opportunity units, hospital-based units receiving cases of violence against women, three clinics for violence against women in the Forensic Medicine Authority and four "safe woman" units in university hospitals. The first shelter for women victims of human trafficking was established.

- h Many seminars and awareness programs were held to introduce the legal process due in cases of violence against women, to encourage women and girls to report to protect their rights.
- i Programs were carried out to strengthen capacities of law enforcement authorities, namely the Public Prosecutor's Office, Ministry of Justice, Family Prosecutions' Assistants, forensic doctors and marriage registrars. Training manuals were issued for members of the Public Prosecutor's Office, judges, forensic doctors, police officers, and Ministry of Health to deal with victims of violence. Al-Azhar issued a manual to train religious leaders on women's issues. A number of services were provided for women and girls who are victims of violence.
- j Several campaigns were organized to raise awareness about the dangers of culturally inherited harmful practices including early marriage, early pregnancy, female genital mutilation, negligence of family planning and delivery without medical control, electronic crimes risks and the different forms of violence.
- k Issuing a number of guidelines for members of the Public Prosecution Office, policemen, forensic doctors, health service providers, and judges for case management and psychological support to combat crimes of violence against women.
- l Training courses and conferences were held to support male and female judges' capacities to address issues of violence against women.
- m The issuance of a number of important ministerial and administrative decisions: The Prime Minister's decision in 2021 to establish "The Combined Unit for the Protection of Women from Violence," which aims to assemble and coordinate the services

of the agencies and ministries concerned with dealing with violence against women issues in one place in order to facilitate the procedures and enable the access of abused women to these services. The decision of the Minister of Transport for the year 2021 to issue the national code of conduct for users, operators and workers in facilities and means of transportation, with the aim of combatting all forms of harassment and violence in facilities and means of transportation. The Circular Book No. 2021 for the Financial Supervisory Authority to urge companies listed on the Egyptian Stock Exchange and operating in non-banking financial activities to adopt the provisions of the ethical charter to prevent harassment, violence and harassment in the work environment.

<http://ncw.gov.eg/Images/PdfRelease/Fact%20sheet%20NCW%20E%20A%2003%20May%202021-6202110235335258.pdf>.

<https://sschr.gov.eg/media/gapb5bq4/national-human-rights-strategy.pdf>.

https://www.constituteproject.org/constitution/Egypt_2014.pdf.

5.6.3. Maternity and paternity policies Year: in place by 2021

By publishing specific laws on women's empowerment and human rights, the Egyptian government established laws to protect working women and guarantee their rights. Egyptian strategic plans to support women's rights have been implemented.

Misr University for Science and Technology adheres to Egyptian Labour Law.

Policy and laws implemented in 2016 and still running until 2021

Maternity Leave

A female having spent 10 months in the service of an employer is entitled to 3 months maternity

leave with full pay including the period preceding giving birth. The female employee is not entitled to this **maternity** leave for more than twice during her working period, however new terms can then be negotiated with the employer if and when the situation arises.

Aside from the aforementioned **maternity** leave entitlements, there are a number of other rights entitled to women within the law. Firstly, female workers in establishments where 50 workers or more are employed will have the right to obtain non-paid leave for a maximum of 2 years to care for the child but this leave will only be entitled twice throughout the service period. Furthermore, employers with 100 workers are obliged to establish a nursery school to care for the workers of the children. During the 24 months following the date of childbirth, a female employee also has the right to two periods of rest daily, each one 30 minute, for breast-feeding her child, with the option to combine both periods in one.

Maternity leave in the Egyptian Labour Law.

8. More primary health care units were established, i.e., health offices, clinics, **maternity** and childcare centers, urban health centers, family centers and units and primary health care units in rural areas.
- d The need to enforce laws protecting working women and guaranteeing their rights. More legislative reforms are needed, including the principle of equal pay for work of equal value, standardized **maternity** leaves in public and private sectors, proposal of paid parental leave, preventing gender-based discrimination in access to loans and finance, and facilitating procedures pertaining to the neediest and breadwinner women.

- c Laws protecting working women and ensuring their rights are enforced. Additional legislative reforms are introduced to enhance women's right to work, including unification of the **maternity** leaves in both public and private sectors, proposition of paid paternal leaves, and explicitly stipulating the prohibition of discrimination based on sex with regard to access to loans and funding, as well as facilitating procedures to take into account the special circumstances of the most needy and breadwinner women, and stipulating the principle of equal pay for work of equal value.
- d The need to enforce laws protecting working women and guaranteeing their rights. More legislative reforms are needed, including the principle of equal pay for work of equal value, standardized maternity leaves in public and private sectors, proposal of paid parental leave, preventing gender-based discrimination in access to loans and finance, and facilitating procedures pertaining to the neediest and breadwinner women.

Maternity leave in the national human right strategy

Legal framework 2014-2019

The **new Investment Law** (Law No. 17 for 2017, Article 2) dedicated for assuring equal investment opportunities for both men and women.

The **Inheritance Law was amended** (Law No. 219 for 2017) to impose stricter sanctions on those who withhold the inheritance from whoever has the right to such inheritance, which will have a great impact on women

Recognition of women as breadwinner in accordance with the unified tax Law No. 91 for 2005 and amended by Law No. 11 for 2013

Amendment of Civil Service Law 2016 granting benefits of working mothers such as 4 months **maternity** leave instead of 3 months.

New regulations issued for the mobile payments.

Amendments in the **bylaws regarding the development of saving group accounts.**

In 2019, two decrees (123, 124) issued by the Financial Regulatory Authority stated that **at least one women should be represented on boards of the financial companies**

In 2019, two decrees (123, 124) issued by the Financial Regulatory Authority stated that **at least one women should be represented on boards of the financial companies**

- Minister of Manpower issued Decrees number 43 and 44 in 2021 to **lift restrictions on women's ability to work at night and restrictions on working in specific industries/profession** while assuring provision of protection and safety measures to women.

Maternity leave in the national strategy for empowering Egyptian women 2030

Women at work

Women's career progression

PROMISING PRACTICES AND POLICY RECOMMENDATIONS

MENA women generally earn significantly less than men and have narrower access to leadership opportunities. They also face sector- and working-hour restrictions and sexual harassment in the workplace.

Equal pay

- 14 MENA countries* have ratified the **ILO Equal Remuneration Convention**.
- A **collective bargaining agreement** was adopted in Jordan to close the pay gap for private school teachers.
- Labour codes** in Morocco and Jordan mandate "equal remuneration for work of equal value". Egypt prohibits wage discrimination based on gender. Tunisia includes generic non-discrimination provisions in its labour codes.
- Under the leadership of Jordan, the **Equal Pay International Coalition** was launched in the MENA Region to address the gender pay gap.

Policy recommendations

- Include a non-discrimination provision in the labour code together with special provisions on women's rights at work, such as equal remuneration for work of equal value.

Leadership and role models

- Corporate governance** codes in Morocco and Jordan mention gender balance on boards. Disclosure-driven policies in MENA help increase women's representation in the boardroom. UAE has set a minimum quota for women on boards.
- The World Union of Arab Banks' **Charter for Gender Diversity** calls for non-discrimination in recruitment procedures and promotion.
- Countries have passed laws to give more visibility to **women role models in the media**.

Policy recommendations

- Enhance gender balance in corporate governance through **quotas** and the inclusion of a **gender equality provision in corporate governance codes**.
- Include a gender equality perspective in the policy documents guiding the work of **traditional media institutions**.

Flexible work

- Yemen is the only MENA country that has ratified the **ILO Workers with Family Responsibility Convention**.
- Jordan's **flexible work regulations** cover flex work for female and male employees. Egypt and Tunisia have legal provisions which allow female public sector employees to work part time. Private sector employees in Egypt with family responsibilities also have the right to work part time.

Policy recommendations

- Encourage the implementation of flex work provisions for **both women and men** so that men can share family responsibilities.

Sexual harassment at work

- The **ILO Convention on Violence and Harassment** and its accompanying Recommendation were adopted in 2019 and are **open for ratification**.
- New laws in Morocco and Tunisia **double the penalties** for harassment perpetrators who have authority over the victim. Egypt has introduced more **severe sentences** for perpetrators who have authority over the victims. In Jordan, Bank El Etihad has issued a **sexual harassment policy**.

Policy recommendations

- Work with social partners and the ILO towards ratification of the **Harassment and Violence at the Workplace Convention**.

Professions and working hours

- Some countries such as Jordan and UAE have **lifted restrictions on women's ability to work at night**. UAE has also lifted **restrictions in jobs deemed dangerous**, as well as in agriculture and on the mining, manufacturing, and energy industries.

Policy recommendations

- Remove all discriminatory legal provisions related to women's participation in the labour market such as those that prohibit women from working at night or the same amount of hours as men.

Private sector

- The private sector is increasingly aware that gender equality efforts **improve business outcomes**. E.g., Bank El Etihad in Jordan and agribusiness companies in Egypt report positive business growth thanks to their gender-sensitive approaches.

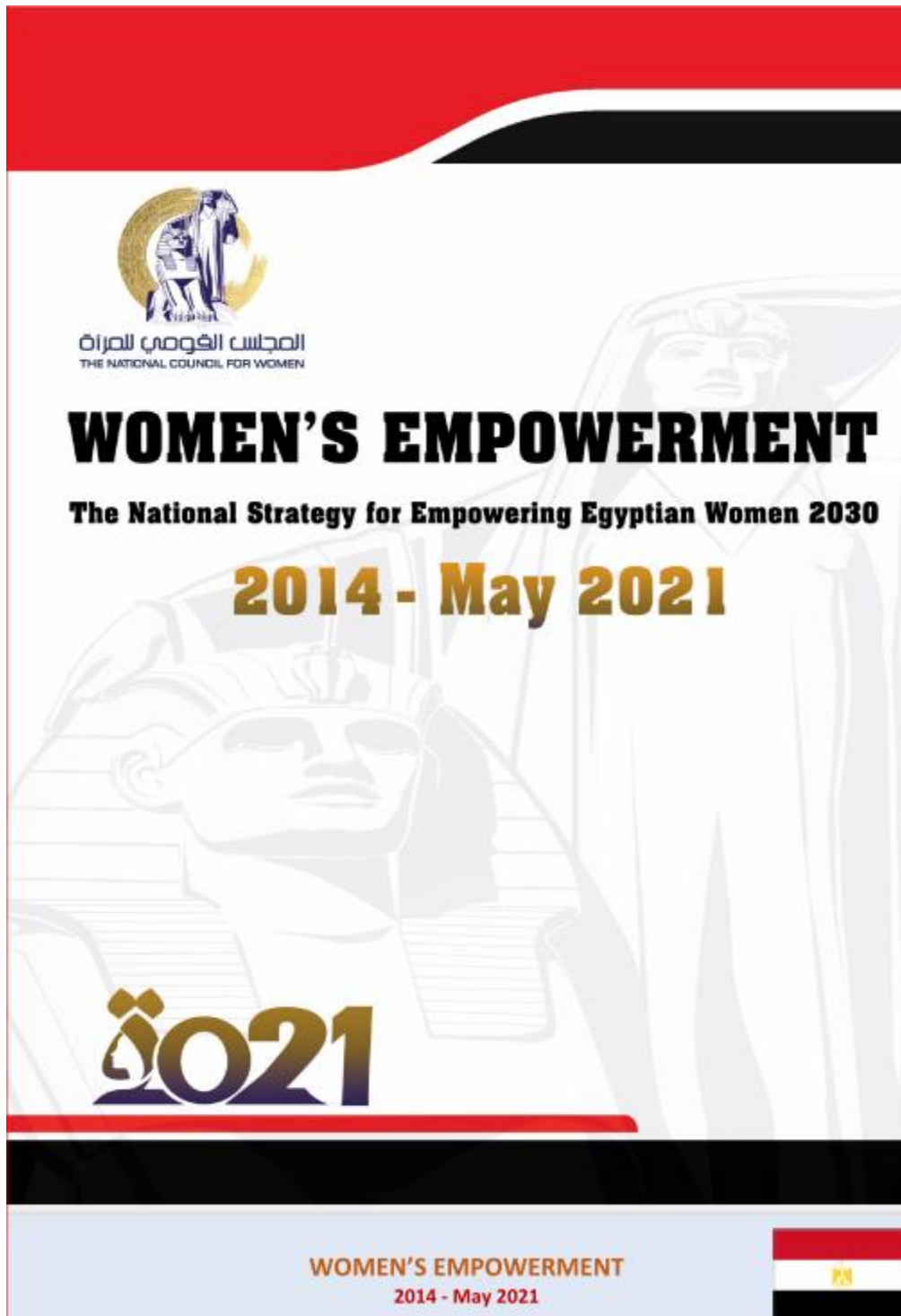
Policy recommendations

- Research and document national and regional private sector gender equality initiatives and give them **greater visibility**.

General policy recommendations

- Revise personal status laws so that women do not need to seek the approval of a male family member to work.
- Give legislative recognition to economic violence as a form of violence against women.
- Ensure labour inspections focus on and enforce legal provisions for non-discrimination and gender equality.

Note: The 14 MENA countries include Algeria, Djibouti, Egypt, Iraq, Jordan, Lebanon, Libya, Mauritania, Morocco, Saudi Arabia, Syria, Tunisia, United Arab Emirates and Yemen.





NATIONAL HUMAN RIGHTS STRATEGY

The Arab Republic of Egypt
2021-2026



<http://ncw.gov.eg/Images/PdfRelease/Fact%20sheet%20NCW%20E%20A%2003%20May%202021-6202110235335258.pdf>.

<https://sschr.gov.eg/media/gapb5bq4/national-human-rights-strategy.pdf>.

<https://eg.andersen.com/wp-content/uploads/2021/07/Employment-in-Egypt.pdf>.

5.6.4. Childcare facilities for students Year: 2021

Dr. Souad Kafafi Foundation provides many services for students, staff and faculty and local communities. The provided services include the following:

- 1. Rehabilitation and service center for people with special needs.**
- 2. The orphanage**
- 3. Educational nursery for children to serve the local community.**

Services provided by the Dr. Souad Kafafi Foundation for Integrated Social Care for the local community for 2020 – 2021.

The foundation's primary areas of focus are social assistance and child and maternity care. The Dr. Souad Kafafi Foundation for Integrated Social Care provides all types of social assistance, whether financial, in-kind, or therapeutic, to widows, orphans, and divorced women throughout the Republic. Furthermore, the Foundation provides financial assistance to orphaned and disabled students in universities and schools, as well as preparing orphan girls for marriage. The foundation's entertainment celebrations for orphaned children and people with special needs usually bring smiles and joy to the faces of the children. Furthermore, the foundation distributes Ramadan bags and Mawlid al-Nabawi sweets to poor families throughout the surrounding community. Poor families are also given financial assistance, which was given to 86 families in 2019; in 2020, the number increased to 97 families, and in 2021, the number increased to 103 families.

To achieve the objectives for which the institution was established, all the following service activities are provided:

1. Rehabilitation and service center for people with special needs.
2. The orphanage
3. Educational nursery for children to serve the local community.

1. Center for rehabilitation and services for people with special needs.

The Suad Kafafi Center is one of the rehabilitation facilities that teach normal and abnormal children how to communicate, interact, and interact with others, and then with society. It is regarded as the most modern facility for assisting and rehabilitating people with special needs. The centre is concerned with the comprehensive rehabilitation of the brain's management and cognitive processes, and it also makes a significant contribution to interactive counselling sessions for parents to improve their children's educational process (guidance sessions). The centre also assists children with learning disabilities through

academic education sessions and administers all psychological tests to children. Rehabilitation and service centre for people with special needs.

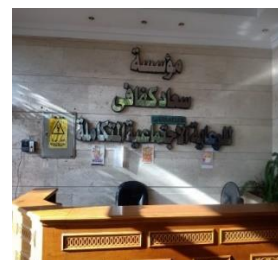
The Suad Kafafi Center is one of the rehabilitation centres that teach normal and abnormal children how to communicate, interact, and deal with others, and then with society. It is regarded as the most modern centre for assisting and rehabilitating people with special needs. The centre is concerned with the comprehensive rehabilitation of the brain's management and cognitive processes, and it also contributes significantly to interactive counselling sessions for parents to improve their children's educational process (guidance sessions). The centre also assists children with learning disabilities by providing academic education sessions and administering all psychological tests to children.

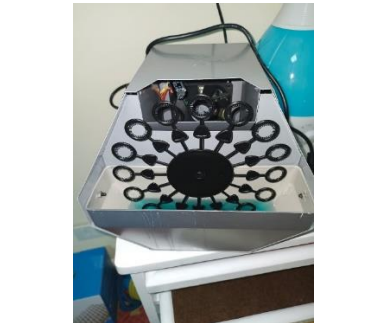
2. The Orphanage

Since the beginning of the adoption of the orphanage children, 7 girls, they have received all means of a decent and calm family life, and this is what distinguishes them, as they are enrolled in distinguished international schools and are cared for by a group of highly qualified surrogate mothers who are selected on the basis and criteria compatible with the nature of their work. The girls receive educational and health services, as well as recreational and sports activities, as well as the development of their artistic and creative hobbies, with a constant desire to instil religious customs and traditions.

3. The Nursery

The foundation operates an educational nursery that adheres to the most advanced educational systems for children, with the goal of producing good citizens who will benefit society and the country. The foundation is always eager to carry out the instructions of the honourable Mr. Chairman of the Board of Trustees, the honourable professor, the general supervisor, the treasurer, and the members of the Board to select the best people in charge of the nursery to ensure the quality of the educational service and health care provided to the enrolled children (Educational – Cultural- Religious).





- <https://www.skills.edu.eg/about-us/>.
- <https://www.facebook.com/skillsegypt>
- https://www.facebook.com/skillsegypt/photos/?ref=page_internal
- <https://www.skills.edu.eg/wp-content/uploads/2017/09/Parents-and-Students-Handbook-2017-2018-primary-secondary.pdf>

5.6.6. Women's mentoring schemes Year: 2021

During their studies at Misr University for Science and Technology, all students receive academic supervision and mentoring. Academic supervisors are both male and female, and they have the same number of advice lists.

Also, the Women Business Development Center (WBDC) within the National Council for Women has carried out numerous activities such as: "Zaneen

Market”, a women-friendly environment market - ICT, vocational and entrepreneurship training for SMEs and new graduates - product development program called “Addaha W2doud” - the first Social Innovation Hub has been launched at the National Council for Women (NCW) in 2016- 1m youth outreach through “masr taamel egypt works” initiative - launch of the hour code campaign for computer science and coding education- An environmental camp that has been implemented in 6 Governorates - Speed Mentoring Program in the field of entrepreneurship and SMEs development - IBDL Program -International Business Driving License for business management - The "Basic Guide to start your own business Program - GET Ahead Manual-Community Kitchen Initiative "Mumm" model - The Operator's “ Mashaghl” Initiative Model. “

Academics

Misr University for Science and Technology, the leading private university in Egypt, was established in 1996. All our academic programs have been accredited by the Supreme Council of Universities.

With state-of-the-art facilities, our dedicated and considerate faculty members, and motivated students we are striving to make the teaching-learning process at MUST an enjoyable experience.



Global Mentoring Walk - Egypt - 2021 (Women in Development)

<https://web.facebook.com/watch/?v=451427512834745>.

<https://spacegeneration.org/event/sgegypt-2021>.

<https://must.edu.eg/academics/>.

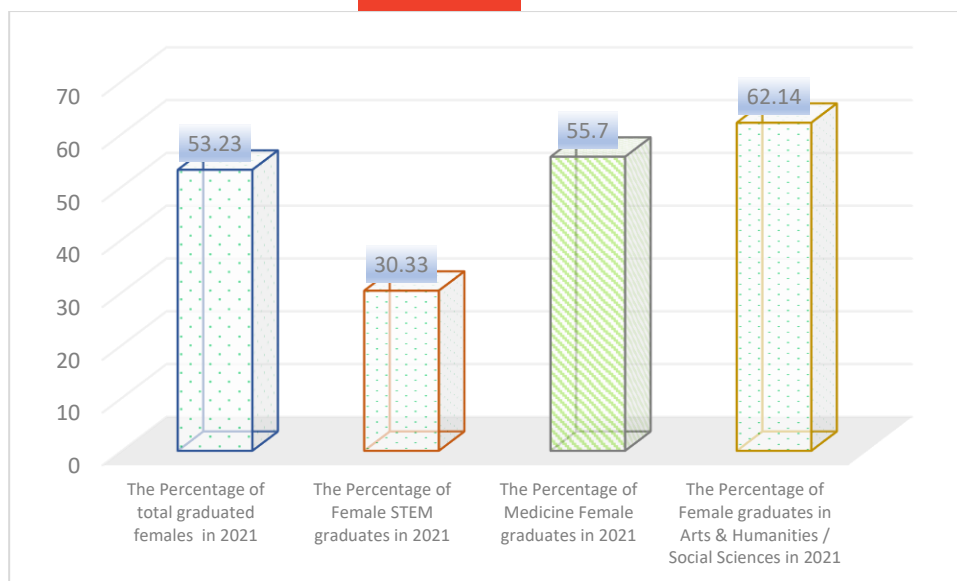
5.6.7. Track women's graduation rate Year: 2021

The Percentage of total graduated females in 2021 was 53.23%.

The Percentage of Female STEM graduates in 2021 was 30.33%.

The Percentage of Medicine Female graduates in 2021 was 55.7%.

The Percentage of Female graduates in Arts & Humanities / Social Sciences in 2021 was 62.14%.



The women's graduation rate in 2021

5.6.8. Policies protecting those reporting discrimination Year: 2021

Misr University for Science and Technology abide by the laws enacted to protect women who report discrimination, as well as the constitution of the Arab Republic of Egypt Promulgation of 2014, Chapter Three: Public Rights, Freedoms, and Duties, Article: 53. "The state shall take all necessary measures to eliminate all forms of discrimination," the law states, "and the establishment of an independent commission for this purpose shall be regulated."

https://www.constituteproject.org/constitution/Egypt_2014.pdf.

<https://sschr.gov.eg/media/gapb5bq4/national-human-rights-strategy.pdf>.

<https://misr.news/june-30-state-institutionalizes-principles-of-equality-and-non-discrimination-through-infographic>.



MUST Ranking Office

6 CLEAN WATER AND SANITATION



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

SDG 6

Clean Water and Sanitation



SDG 6: Clean Water and Sanitation

Artificial and Intelligent Technology Center innovate a new system to conserve water which could be implemented in the university. Also, New campuses MUST 2 and MUST 3 were designed to be environmentally friendly buildings. New campuses MUST 2 (Tech Valley) The outdoors with water fountains are designed to be economically friendly and water efficient. Cooling the microclimate of the courtyards by using artificial fountains and lakes with an economical design that are fed with the least amount of water and filters. MUST university is in the process of implementing a new conserving water system to reuse treated ablution water to irrigate plants.

Disinfectant chambers are provided on the campus's main gate and several faculty buildings. Meanwhile, the figure shows handwashing facilities placed near every entrance of buildings. Hand sanitizer containers place in every corner of the buildings, where handwashing facilities are impossible to install.

The artificial Intelligent Technology Center at MUST university invented a new system that could be easily implemented to sterilize rooms using a remote control .



Water fountains for air cooling



Green roofing & gray water recycling



Smart greenhouse



Artificial intelligent centres invented special robots to sterilize all buildings using the remote control.



Handwashing and sanitation facilities during Covid-19 pandemic

- [Green Metrics - OneDrive \(sharepoint.com\)](#)
- [video - OneDrive \(sharepoint.com\)](#)
- [video - OneDrive \(sharepoint.com\)](#)
- <https://www.youtube.com/watch?v=TXCaPbQEomk>



MUST Ranking Office

7 AFFORDABLE AND
CLEAN ENERGY



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

SDG 7

Affordable and clean
energy



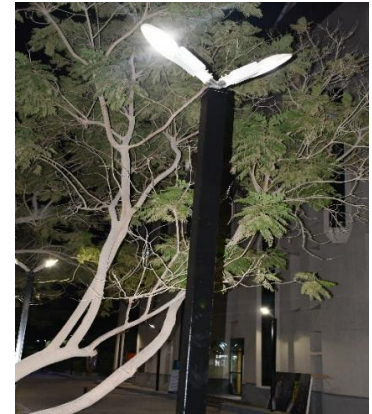
SDG 7: Affordable and clean energy

Misr University for Science and Technology seeks to increase its energy reserves by focusing on energy management. All parts of the business can examine their energy use and realize their energy-saving potential through measures such as insulation, LED lighting, and sustainable technologies. In addition, "Turn off the lights" campaigns are being implemented to save energy and protect the environment.

the elements of green building implementation on the campus:

1. Using renewable energy for electricity that reducing purchased electricity
2. Smart Green House
3. Natural ventilation and natural lighting (MUST Library)





Example of Energy Efficient Appliances Usage: Use of LED lighting and lamps with light detection



Example of Energy Efficient Appliances Usage: Solar absorption Air Conditioning system



Natural ventilation and natural lighting (MUST Library)



MUST Ranking Office



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

SDG 9

"Industry, Innovation And Infrastructure"



SDG 9: Industry, Innovation, and Infrastructure

As well recognized institute devoted to developing innovative and creative graduates capable of effectively contributing to community development and national sustainable development goals, Misr university for science and technology foster the vision of Building a university community that stimulates innovation and entrepreneurship spirit across staff and students in all our schools. In our quest we founded several centers, initiatives, and events to educate our students and support our entrepreneurs.

Center for Innovation and Entrepreneurship



The center for Innovation and entrepreneurship (IE HUB) helps academics, researchers, and entrepreneurs to pursue innovative ideas and solutions, develop prototypes and advances to commercialization. The IE Hub serve the university vision for developing innovative and creative graduates capable of bridging challenges with creative approaches. Besides, the university provides communal and environmental services

as well as outstanding applied research that can support economic and social transformations and achieve sustainable development.



Entrepreneurship development program

Creativity of Misr University for Science and Technology:

Creativity and entrepreneurship are the key elements for building effective and competitive economic systems. Therefore, the Center prepares an entrepreneurship development program for university students and graduates to establish the concept of innovation among students during their university studies and is considered the best choice for those who seek to become entrepreneurs in the future.



Innovation of Misr University for Science and Technology:

Launching a competition for university students, in order to discover the best graduation projects annually and at the level of scientific sectors and colleges. The purpose of this competition is to discover innovative young talents and ideas and connect them to the IT industry, the medical and industrial sector and encourage students to develop new solutions that go along with the current technological trends.

Dr. Suad Kafafi's Annual Competition for Innovation, Creativity and Entrepreneurship

The Center organized its first annual competition for Innovation, Creativity and Entrepreneurship on the

occasion of the Silver Jubilee of Misr University of Science and Technology, entitled: "Dr. Suad Kafafi's Annual Competition for Innovation, Creativity and Entrepreneurship" from 16 to 29-9-2021.

Technology Centers



Artificial Intelligence Technology Center

[Artificial Intelligence Technology Center \(AITC\)](#) is located at Misr University for Science and Technology (MUST), Egypt. AITC aims at unleashing the potential of artificial intelligence in education, research and community services. AITC encompasses 6 units for conducting application-oriented research to support the transformation of MUST into a Smart Campus. It will also incubate selected spin-off projects initiated by the university faculty members, TAs and students. AITC also trains talented community members in starting their applications of artificial intelligence.

[Artificial Intelligence Technology Center \(AITC\) - Misr University for Science & Technology \(must.edu.eg\)](#)

Collage of pharmacy Student Experimental Factory (SEF-MUST)

Student experimental factory (SEF-MUST) is a fully equipped pilot scale production facility oriented to research improvement and community services established in January 2020. SEF- provides opportunities to MUST's students for training, learning, and application in an actual simulation of an industrial atmosphere with the processes and procedures that take place in the manufacturing world.

SEF-MUST also support researchers and entrepreneurs with innovative ideas for developing new cosmetics.

SEF-MUST Startups

SEF-MUST offered a professional training postgraduate diploma for graduates with innovative ideas for developing new cosmeceuticals. After completing the program, best projects teams were hosted as startups in the facility, where they can use the factory's facilities and equipment for their manufacturing process till starting up their own cosmetics companies and registering their products at the Ministry of Health. For more details please visit SEF-MUST page

- SOI Care
<https://instagram.com/soi.egypt?igshid=ymmymta2m2y=>
- Beauty Dose
<https://www.facebook.com/groups/235884479792818/?ref=share>
<https://instagram.com/beautydos.egy?igshid=ymmymta2m2y=>
- SK Cosmetics
<https://www.facebook.com/groups/1412489515924465/?ref=share>
- Ornella Cosmetics
<https://www.facebook.com/groups/478469646624538>

Production of sanitizers in SEF-MUST

Students and staff startup project. The Experimental Student Factory at the College of Pharmaceutical Sciences and Drug Manufacturing aims to serve the community and entrepreneurship through the manufacture of disinfectants, as manufacturing began in 2019 until now and serves the university's internal community with its products represented in hand sanitizer, surface disinfectant, and liquid soap

https://www.masrawy.com/news/news_various/details/2020/3/24/1749261/

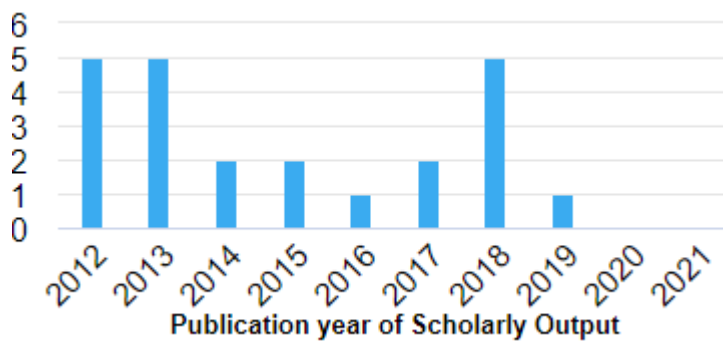
<https://www.elwatannews.com/news/details/4656697>

Metrics and indicators

9.1.1 Industry, Innovation and Infrastructure: publications

9.2.1 Number of patents citing research

Citing-Patents Count



count of patents citing the Scholarly Output published at the Misr University for Science and Technology is 100

Please visit [scival Misr university for science and technology profile](#) for detailed patent list.

[SciVal - Patent Impact](#)

Citing-Patents Count at the Misr University for Science and Technology

Year range of Scholarly Output: 2012 to 2021

Export

Applicants/Owners

☐ Janssen Sciences Ireland Uc14
 ☐ Axcella Health Inc.8
 ☐ Janssen Sciences Ireland Unlimited Company7
 ☐ Constellation Pharmaceuticals, Inc.6
 ☐ Genentech, Inc.6

Show more

View all

Countries/Regions (Where was it applied?)

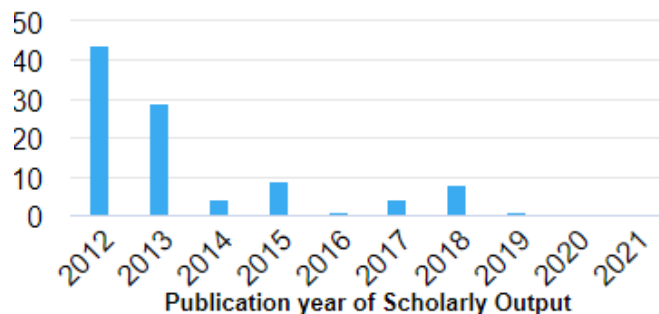
Apply filters

Options

100 citing-patents

| Title | Inventors | Applicants/Owners | Publication year of patents | Patent office |
|---|---|---------------------|-----------------------------|---------------|
| Amino acid compositions and methods for the treatment of liver diseases View abstract View in Patent office | Hamill Michael, Lee Chung-wei, Afeyan Raffi and 2 more | Axcella Health Inc. | 2021 | US |
| COMPOSITIONS AND METHODS FOR THE TREATMENT OF FAT INFILTRATION IN MUSCLE View abstract View in Patent office | Hamill Michael, Comb William, Tramontin Tony and 1 more | Axcella Health Inc. | 2020 | US |
| Compositions and methods for the treatment of fat infiltration in muscle View abstract View in Patent office | Hamill Michael, Comb William, Tramontin Tony and 1 more | Axcella Health Inc. | 2020 | US |

Patent-Cited Scholarly Output



count of Scholarly Outputs at the Misr University for Science and Technology that have been cited in patents is 23

Please visit scival Misr university for science and technology profile for for detailed patent list.

[SciVal - Patent Impact](#)

Publications at the Misr University for Science and Technology that have been cited in patents

Year range: 2012 to 2021

Export

23 publications | Save as Publication Set

| Authors | Title | Authors | Year | Scopus Source | Patent citations |
|---|--|--|------|---|------------------|
| <input type="checkbox"/> Azzazy, H.M.E.S. 3 | Discovering best candidates for Hepatocellular Carcinoma (HCC) by in-silico techniques and tools | Mabrouk, M.S. | 2012 | International Journal of Bioinformatics Research and Applications | 38 |
| <input type="checkbox"/> El-Feky, S.A.H. 3 | Design, synthesis, and molecular modelling of pyridazinone and phthalazinone derivatives as | Elagawany, M., Ibrahim, M.A., Ali Ahmed, H.E. and 5 more | 2013 | Bioorganic and Medicinal Chemistry Letters | 12 |

Apply filter Options

Provisional patent filled by Misr University for Science and Technology students

1- Yasser Zinad, College of Physiotherapy, Deposit No. EG/P/2022/390

Subject: Designing a suit that enables patients with paraplegia and quadriplegia to move

2- Ahmed Tahoun, College of Pharmacy, Deposit No. EG/P/2022/1019

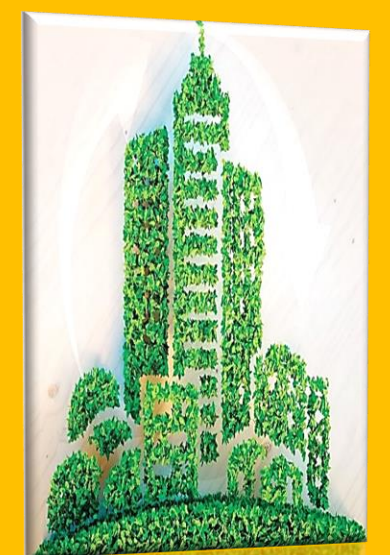
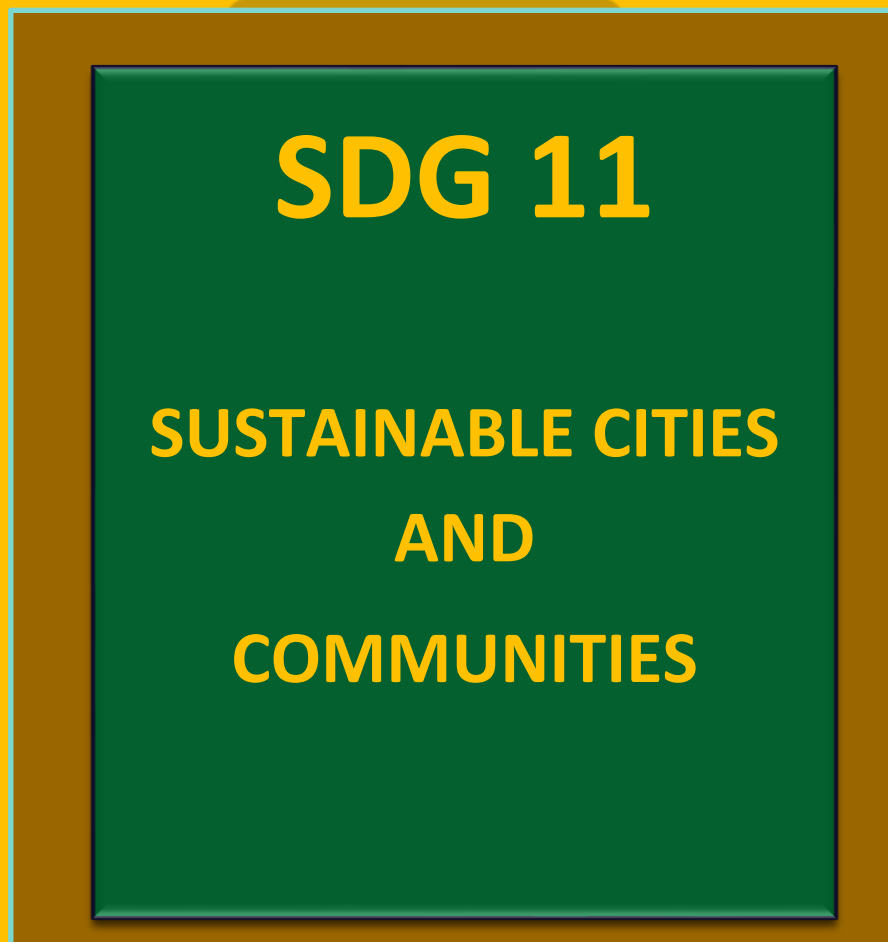
Subject: Innovation aims to reduce the time needed to know the optimal type of antibiotic for a bacterial infection to one hour and reduce the price of the test

3- Dr. Mohamed Abdel Aziz is a teacher at the Faculty of Special Education, deposit number EG/P/2022/0607

Subject: Designing a therapeutic suit for athletes

4- Hadeel Adam College of Human Medicine Deposit No. EG/P/167/2019

Topic: Designing a smart watch to diagnose heart attack and heart failure



SDG 11: Sustainable Cities and communities

Make cities and communities inclusive, safe, resilient and sustainable

Making cities and communities sustainable means creating career and business opportunities, safe and affordable housing, and building resilient societies and economies. Misr University for Science and Technology (MUST) has set a sustainability initiative for a better and more sustainable future. MUST is committed to delivering innovative learning experience through expanding imagination, cultivating lifelong learning, promoting respect for diversity, and preserving and sustaining the heritage of communities through various events, practices and research. This commitment is observed in the full support that MUST provide for practices that promote arts and heritage, commuting within and to the campus, facilitating remote working for employees, providing affordable housing, buildings of sustainable standards, and organizes events for students and employees that promote culture and heritage. Moreover, MUST impose strict rules to ensure that higher education is inclusive and accessible to everyone regardless his/her gender, color, citizenship or religion.

MUST university main campus with the Tech Valley extension (across the road)



11.2 Support of Arts and Heritage

One of the main goals of MUST University is supporting arts and heritage. This is achieved through strengthening and providing access to local cultural and heritage facilities. MUST has many cultural and heritage facilities. One of the facilities that MUST is proud of is the Opera House, which was built in 2001 from the beginning of the university, for supporting arts. the MUST Educational Museum, the MUST Library, the vast green areas on campus are just a few achievements that MUST utilizes for supporting Art and Heritage.



MUST Educational Heritage Museum

11.2.1 Buildings with Public Access

MUST allows public access to many building that promote and support arts and cultural heritage. For example, MUST Opera House, the Educational Heritage Museum, the Central Library, Saud Kafafy University Hospital, and many other buildings which support cultural heritage are accessible to both students and the public with free of charge or minimum charge according to the organizers of the activity. Moreover, the Students Exchange Center at MUST was mainly established to promote and preserve cultural heritage through student exchange programs between university students of Arab countries.

MUST Opera House

With its outstanding concert hall with capacity of 1000 seating chairs, the opera house hosts international and national shows and festivals. Furthermore, the graduation ceremonies of the university colleges are held annually to celebrate the students' achievements. Festivals and Conferences that host celebrities from all over Egypt are also held in the Opera House and is open for the public. Moreover, as MUST belief in its role towards the community.

The Talent Development at MUST prepares today's generations to become tomorrow's booming talents offering a variety of activity courses that include oriental singing, piano, violin, oil painting, ballet and others.

For more Info:

- <https://must.edu.eg/university-life/arts/>
- <https://www.facebook.com/MUSTOperaHouseSocial>



The Heritage Educational Museum

The university has allocated two-hall in the Central Library building as an Educational Museum to display replica models of the most important archaeological art holdings necessary to familiarize students of the college of archeology and tourism guidance with the history and civilization of Egypt from prehistory to modern and contemporary eras. Also, it serves the local community visitors of all ages. The museum presentation methods include Showcases of different sizes and Wall mounts for display. The Museum is open access for students and the public free of charge.

For more info:

- <https://must.edu.eg/university-life/must-museum/>



MUST Central Library

With its distinctive architectural design on about 3000 square meters, serves about 2000 students per day, faculty members, researchers, and the public. It contains more than 76000 titles in all fields or arts, humanities, and sciences. The library offers an online catalog that is accessible from the university's local network and through the internet. Also, the library offers good training opportunities to students specialized in Library science and information technology. The library is open for students and the public with access free of charge from 9:00 am till 9:00 pm.

For more info:

- <http://mustopac.must.edu.eg/>
- <http://library.must.edu.eg/>



Student Exchange Center (SEC)

Students Exchange Center (SEC) was established at MUST in 2009 that organize students exchange programs between MUST and the other national and international universities and organizations to promote cultural interaction and provide training. It allows Egyptian students to achieve exposure to other cultures and spread the Egyptian and Arabic cultures through students' exchange and attraction of Arabic and foreign students for studying and training. Moreover, the center allows Arabic and foreign students to be acquainted with available educational programs in all collages in the university.

For more info:

- <https://must.edu.eg/student-exchange-centre/>





10 STUDENT EXCHANGE PROGRAM

Executive Summary

Enrolling in a foreign exchange program is an amazing experience. Many students don't travel abroad until later, so you'll get an educational head start. Our student exchange programs vary in length and subject matter.

STUDENT EXCHANGE PROGRAM COLLEGE OF INFORMATION TECHNOLOGY



ARTIFICIAL INTELLIGENCE TECHNOLOGY CENTER

Children's University

Children's Universities have been developed to engage with children in the context of higher education in order to enable such children to meet professors and scientists as role models and to share their everyday curiosity with professional scientists and researchers. Children's University is an educational project which is increasingly wide spreading all over the world. Children's University introduces school children to scientific and critical thinking, creativity, questioning, and problem-solving. Children's University National program is expected to start operating through more than 27 Governmental and Private Egyptian Universities. It's a program which introduces students from the ages of 9 years to 15 years to exciting learning activities. Activities start outside the normal school day within neighborhood university premises, then extends under the same umbrella in schools; before school, during lunchtime, after school, during weekends or holidays, etc.

For more info:

- <https://must.edu.eg/childrens-university/>





Souad Kafafi Hospital

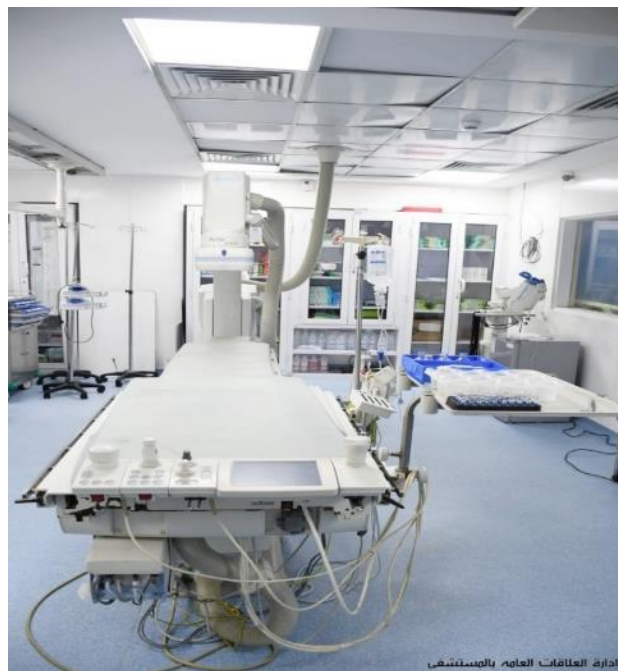
Souad Kafafi University Hospital (SKH) is a large medical edifice that provides high quality medical and healthcare services according to international standards. SKH was built in 1996 to provide services for the College of Medicine and to the public. These services are directed to meet the needs of all patients' referral from the university and the community. MUST administration provides continuous support to equip the hospital with the latest medical resources and devices to offer high quality medical services. They also direct the hospital to participate in many community and humanitarian activities aiming primarily to provide free medical services to the unable within the plan to implement the hospital's mission in healing and alleviating the pain of people in many Egyptian governorates. Campaigns with Medical convoys are professionally organized by the hospital in accordance with the highest quality standards in the provision of health services and patient care especially in semi-urban and densely overpopulated areas and remote governorates in order to contribute effectively to the consolidation of the culture of social responsibility as well as early detection, diagnosis, examinations and surgical operations conducted daily free of charge for the unable patients in all medical specialties.

For more Info:

- <https://must.edu.eg/university-life/health-services/>
- <https://www.facebook.com/themskuh> .









MUST Medical Convoys



Dental Clinics Complex:

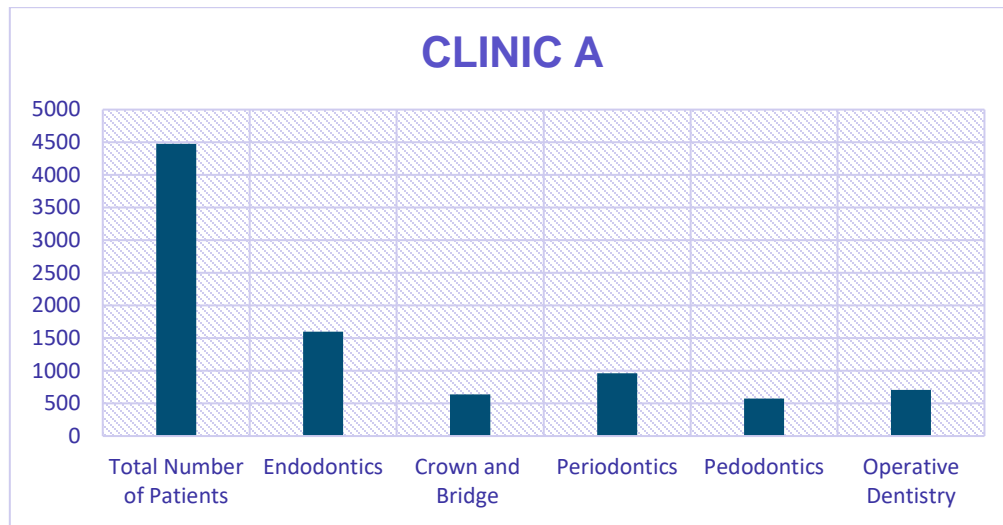
The Dental Clinics Complex is a state-of-the-art clinical complex which provides a wide range of dental care services for patients. The Faculty of Oral and Dental Surgery thrives to provide the best clinical education for its students which meets the standards of higher education institutions as well as serving the community with the highest standards of dental care. The complex consists of 3 main clinics in addition to 3 specialized treatment clinics and a diagnostic center, each fully equipped with several dental chair units and x-ray units. The Complex also holds a centralized Sterilization unit which provides sterilization services for the armamentarium used in the dental care services. The Dental Clinics Complex served 9,359 patients in the academic year 2020/2021.

For more Info.

- <https://must.edu.eg/academics/college-of-oral-and-dental-surgery/>
- <https://must.edu.eg/centers-and-units/dental-laser-center/>

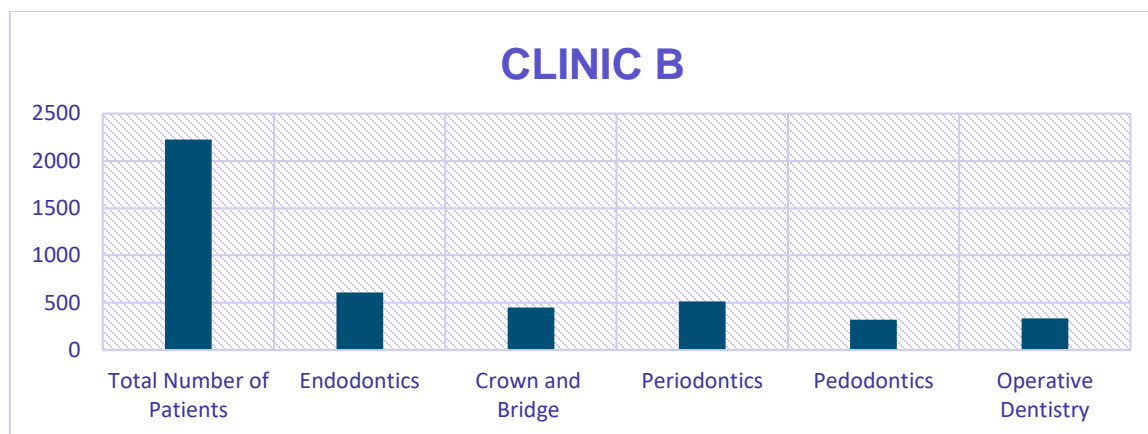
Dental Clinics Complex (A):



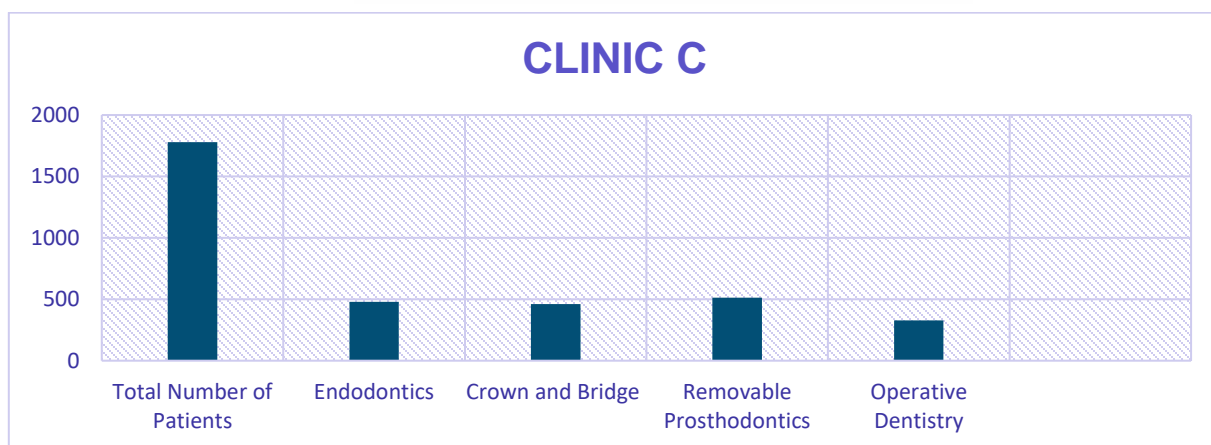


Dental Clinics Complex (B):

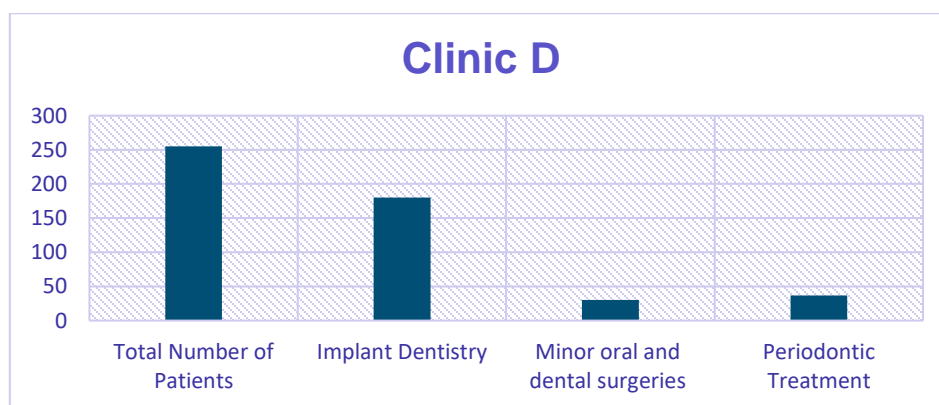




Dental Clinics Complex (C):

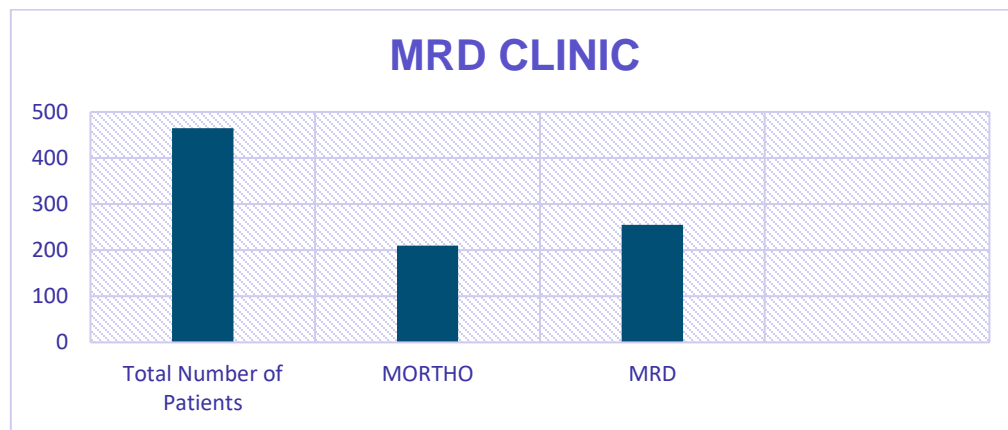


Dental Clinics Complex (D):



MRD Clinic

The clinic holds 13 Sirona C8+ dental chair units and an x-ray room with a dental x-ray unit. It provides training services to students for Membership of Restorative Dentistry students and Membership of Orthodontics students. Also, it provides services public patients with highest standard dental care services including periodontics, minor oral and dental surgeries, Implant Dentistry, Crown and Bridge work and Restorations as well as Orthodontic treatment.



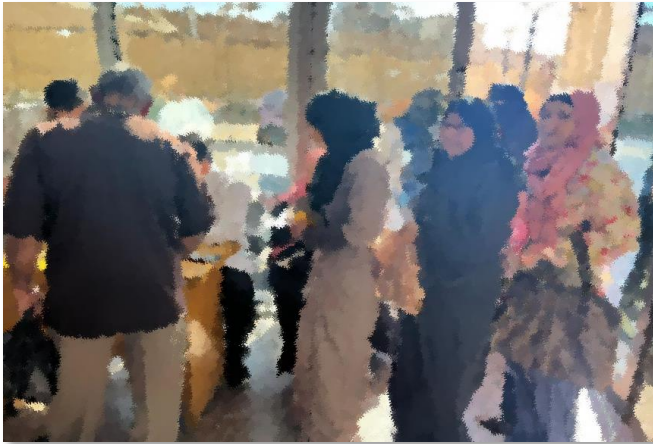
Laser Clinic

The clinic holds 1 Belmont Clesta III dental chair unit, 1 ERBIUM laser unit, 7 Diode Laser Units. It provides training for Advanced Laser Dentistry Fellowship students, and dental care services which require the use of laser dentistry for public patients.



Diagnostic Center

The Diagnostic Center Serves the whole Dental clinics complex by providing a data base of patients which is later used by the different clinics in providing both the dental education for students and serving the community.



Physical Therapeutic Unit

The Therapeutic Unit of College of Physical Therapy was established in 2014 as a financially and technically independent unit affiliated to MUST administration. The unit provides interventional services for university employees and other patients from the surrounding community. Services include providing physical therapy evaluation, treatment sessions, as well as patient education. Additionally, the unit provides educational services for undergraduate students in various disciplines, especially for orthopedic and pediatric dysfunctions. Moreover, the unit provides a variety of research services to the faculty staff members and a few frequent researchers. The unit provided treatment services for 254 patients and educational services for 690 students and staff in the academic year 2020-2021.

For more info

- <https://must.edu.eg/college-of-physical-therapy/>



معمل العلاج الطبيعي لأمراض الأطفال وجراحاتها
Lab of Physical Therapy for Pediatrics Disorders and its Surgeries

Isolation Hospital for People with COVID-19.

The hospital is built on a total area of five acres, which consists of green areas with an area of 5000 square meters.

- <https://www.elwatannews.com/news/details/5183208>



غرفة استقبال حالات الطوارئ



غرفة الطوارئ بالدور الأرضي

MUST Test Center

MUST Test Center is the only center in Egypt that offer the Pearson Test of English (PTE) Academic Exam. which is available to MUST students and the publics too. In addition to the PTE Academic, the center offers other tests like the Versant English Placement Test which is used to evaluate the level of English for freshman students who are enrolling in the university. Moreover, there is the NCEES exam for engineering and surveying licensure in the United States. It also facilitates professional mobility and promotes uniformity of the U.S. licensure processes through services for its member licensing boards and licensees.

For more info:

- <https://must.edu.eg/university-life/must-test-center/>
- <https://must.edu.eg/university-life/pte-academic/>





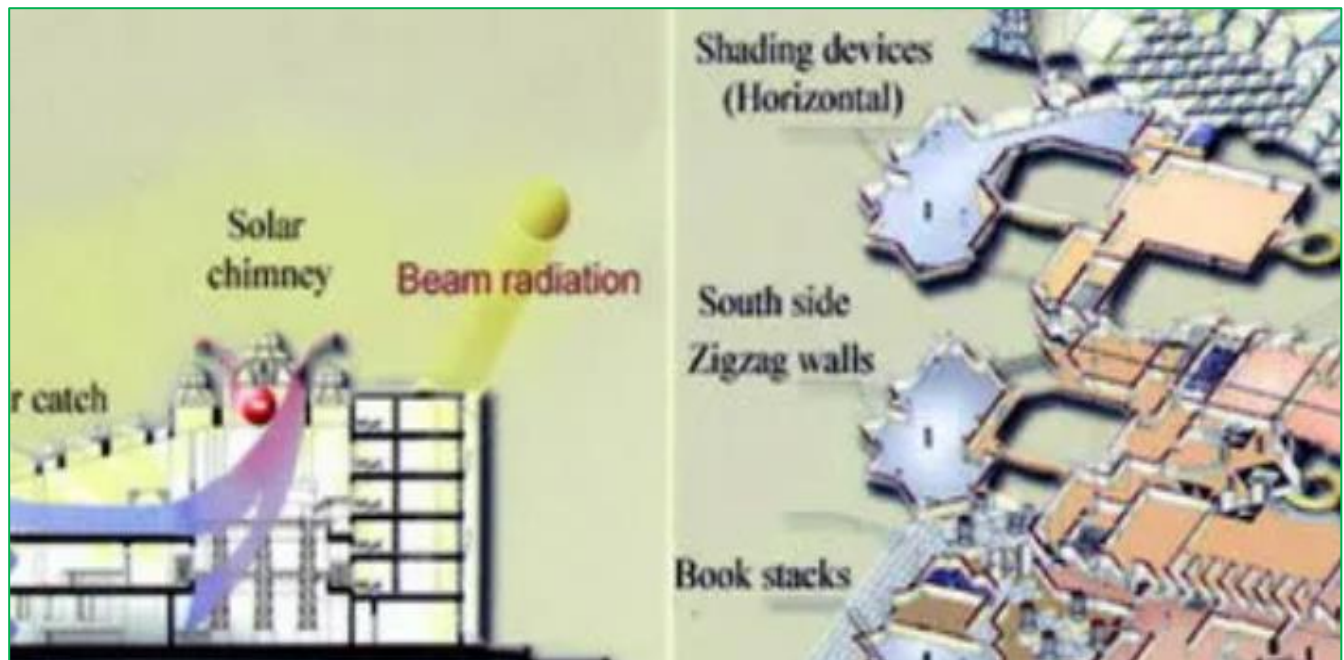
11.2.2 Access to the Central library

MUST Central Library, with its distinctive architectural design on about 3000 square meters, serves about 2000 students per day, faculty members, researchers, and the public. It contains more than 7600 titles in all fields or arts, humanities, and sciences. The library offers an online catalog that is accessible from the university's local network and through the internet. Also, the library offers good training opportunities to students specialized in Library science and information technology. The library is open for students and the public from 9:00 am till 9:00 pm.

For more info:

- <http://mustopac.must.edu.eg/>
- <http://library.must.edu.eg/>







Activities of the Central Library in the Academic Year 2020-2021:

- Organizing a workshop on how to become a scientific researcher December 2020.



https://m.facebook.com/story.php?story_fbid=pfbid02ZsHBnBEpgutgatN419ysHyhi9fs32KJsPoKdfpgFwdWuDUKvVbPryXhyKgyFk5i5l&id=535259530185322



https://www.facebook.com/watch/?v=368052281146244&extid=NS-UNK-UNK-UNK-IO5_GK0T-GK1C&ref=sharing

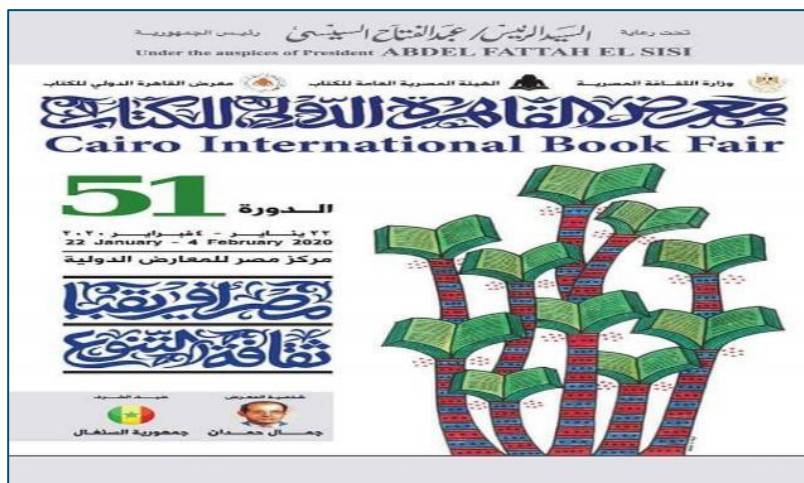
Book fairs:

Participating in the Cairo International Book Fair, in its 52st session, 2021.



[MUST Central Library at Cairo International Book Fair 2021](#)

- Participating in the Cairo International Book Fair, in its 51st session, 2020.



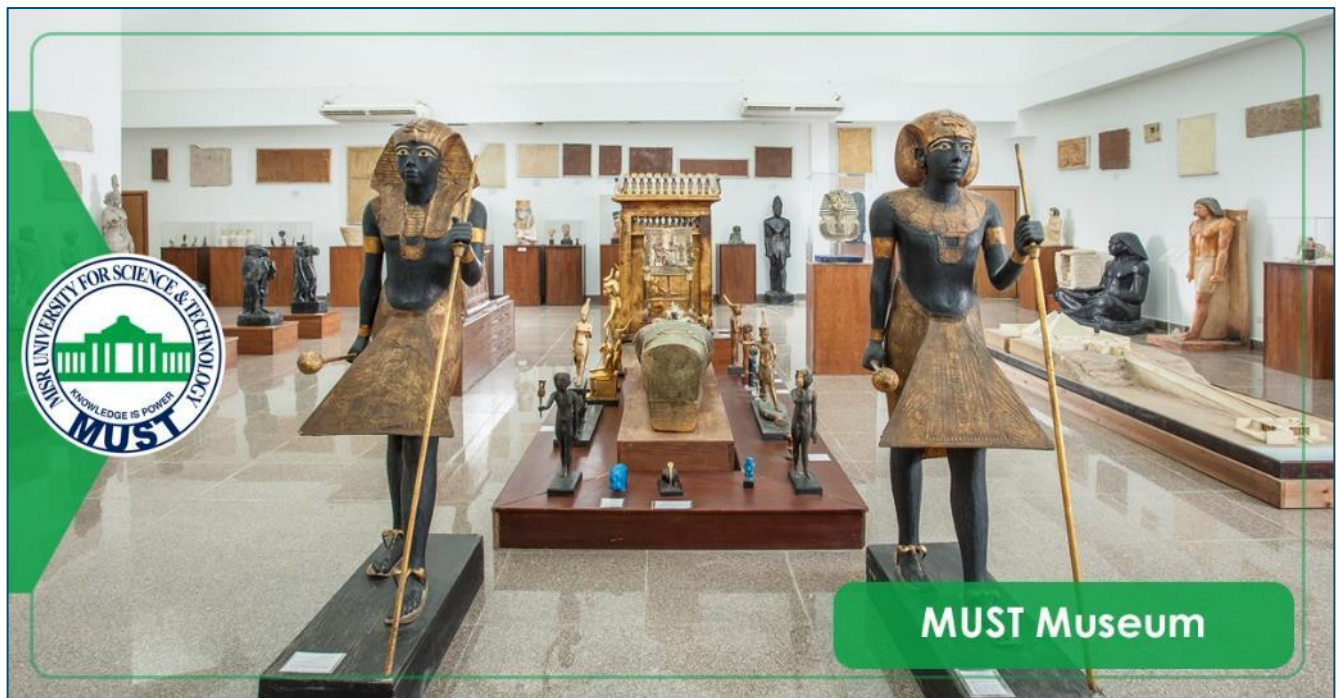
[MUST Central Library at Cairo International Book Fair](#)

11.2.3. The Heritage Educational Museum

The university has allocated two-hall in the Central Library building as an Educational Museum to display replica models of the most important archaeological art holdings necessary to familiarize students of the college of archeology and tourism guidance with the history and civilization of Egypt from prehistory to modern and contemporary eras. Also, it serves the local community visitors of all ages. The museum presentation methods include Showcases of different sizes and Wall mounts for display.

For more info:

- <https://must.edu.eg/university-life/must-museum/>







SDG 11: Sustainable Cities and Communities





11.2.4. Public Access to Green Spaces

MUST university is characterized by the presence of vast space of green areas, consisting of grassy areas, a green playground, many trees, and a fountain area surrounded by green spaces available to the public and students' exercises. The green area constitutes 60% of the campus. Many activities, events and celebrations are held on it, and many festivals and competitions.

<https://must.edu.eg/>







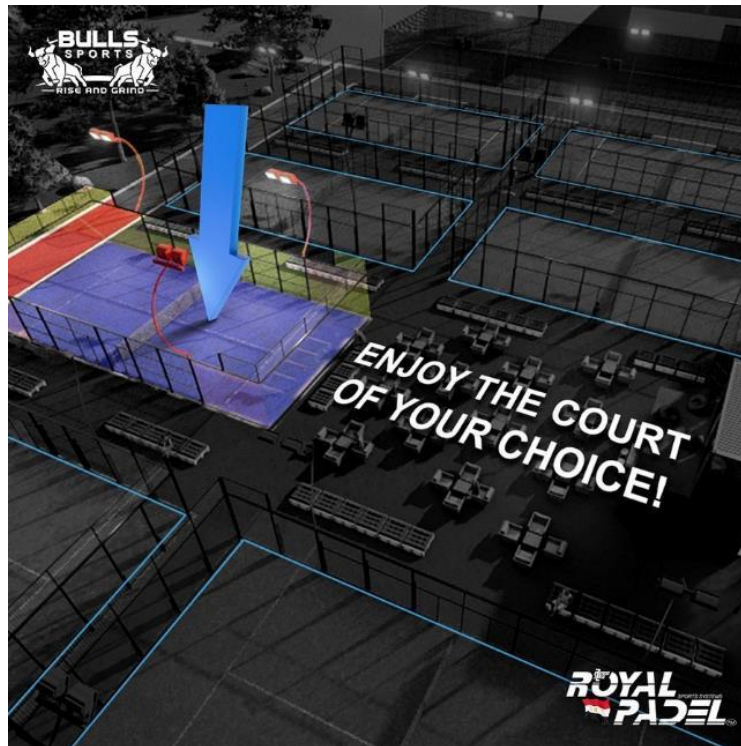
Sports Courts

MUST has the largest number of paddle tennis courts in the area. MUST university hosts 4230 m2 football court, 222 m2 squash court, 3900 m2 tennis court, 560 m2 basket court, 260 m2 strong stadiums, and 1120 m2 gym. Access to these courts to the public with minimum fee. Moreover, MUST has the largest number of paddle tennis courts in the area, which meet the needs of students and the surrounding community with the growing interest in that game.

For more info:

- <https://must.edu.eg/university-life/athletics/>







[https://m.facebook.com/EgyptPadelTour/?locale2=zh_CN'](https://m.facebook.com/EgyptPadelTour/?locale2=zh_CN)

https://www.egyptpadeltour.com/event_results.php?id=23

Sports Academies:

- MUST University cooperate with many sports academies:



<https://www.instagram.com/noletacademy/>



<https://m.facebook.com/elite.efa/posts/>



<https://www.facebook.com/profile.php?id=100083021246875>



<https://www.facebook.com/photo/?fbid=124492963671304&set=a.12449295367130>

5

Sports activity for the academic year 2020-2021

- ❖ Establishing an internal league in the five-footed football for colleges.



- ❖ Establishing an indoor football league in the big stadium for colleges.



- ❖ Establishing an internal basketball league (boys and girls)



- ❖ A friendly basketball match between MUST team and Zamalek club, under the age of 20.



- ❖ Organizing an indoor table tennis tournament throughout the academic year

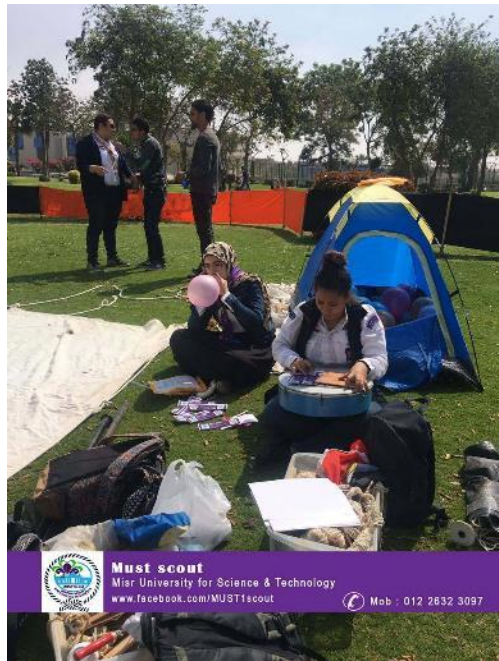


Must Scout

“Duty towards God, self, and society” is the slogan of the MUST Scout, which is available to MUST student and the public.

For more Info:

- <https://www.facebook.com/MUST1scout/>
- <https://m.facebook.com/pages/category/Nonprofit-Organization/MUST1scout/videos>



11.2.5. Arts and Heritage Contribution

MUST university contribute and promote local arts through many activities. The main contributions are in the many festivals held during the year in the university opera house. The festivals are held on regular basis and is open to the public with minimum charge for the festival organizer to cover the expenses. About three to five festivals are held during the academic year. Also, there are many activities are held in the university Masjid the year which contribute in preserving both local arts and cultural heritage.

MUST Opera House

One of the main achievements that MUST is proud of is establishing the first private Opera House in Egypt as one of MUST contributions for preserving Arts and Heritage. MUST Opera House, which is established in 2001, provide various services to the university members and the community as well. With its outstanding concert hall with capacity of 1000 seating chairs, the opera house hosts international and national shows and festivals. Furthermore, the graduation ceremonies of the university colleges are held annually to celebrate the students' achievements. Festivals and Conferences that host celebrities from all over Egypt are also held in the Opera House and is open for the public. Moreover, because of MUST's belief in its role towards the community, the Talent Development Center at MUST prepares today's generations to become tomorrow's booming talents offering a variety of activity courses that include oriental singing, piano, violin, oil painting, ballet and others.

For more Info:

- <https://must.edu.eg/university-life/arts/>
- <https://www.facebook.com/MUSTOperaHouseSocial>



- Activities of the Talent Development Center at MUST Opera House







The Masjid

The importance of religion and its role in shaping the students' lives and the community's is highly recognized at MUST. Built with a highly sophisticated architectural design, the University Masjid serves students, staff members, and open to the public as well. The Masjid provides its visitors with a perfect comforting atmosphere together with regular religious lessons and Quran sessions. All these activities are supervised by prominent Al-Azhar scholars.

For more info:

- [MOSQUE - Misr University for Science & Technology \(must.edu.eg\)](https://must.edu.eg)
- <https://www.facebook.com/profile.php?id=100068202038603>
- <https://www.youtube.com/watch?v=krE6fDQRgJA>







11.2.6. Record and Preserve Cultural Heritage

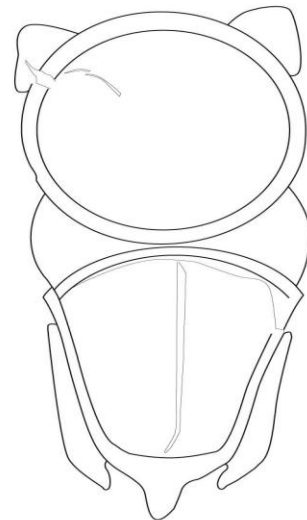
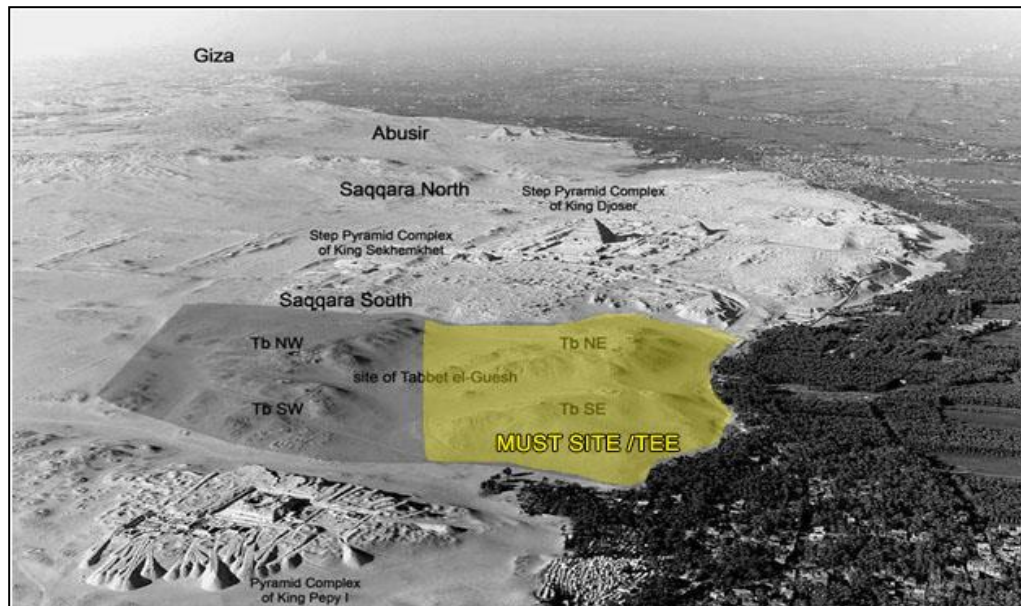
MUST has many records and project that preserve cultural heritage such as local folklore, traditions, language, and knowledge. The College of Archaeology at MUST contributed in preserve cultural heritage through excavations and research. In the year 2020 – 2021, the college had three excavation missions. Also, the Center for Editing Arabic Manuscripts, which is established in 2010, has contributed in language and heritage knowledge preservation. MUST has many other projects that support preserving cultural heritage.

Tabbet al-Guish Excavation Mission

One of the main contributions of MUST in preserving cultural heritage is MUST's Scientific Excavation Mission held in Tabbet Al-Guish in Saqqara. Saqqara was the cemetery of the city of Memphis, the capital of the Old Kingdom. This archaeological survey mission initiated by the College of Archaeology and Tourism in partnership with the Supreme Council of Antiquities. The mission started in mid-September 2021 and completed its work at the end of October 2021. During the excavations, some pieces were found in a shaft, among them were three dilapidated coffins, a pear-shaped earthenware pot, and a large group of beads.

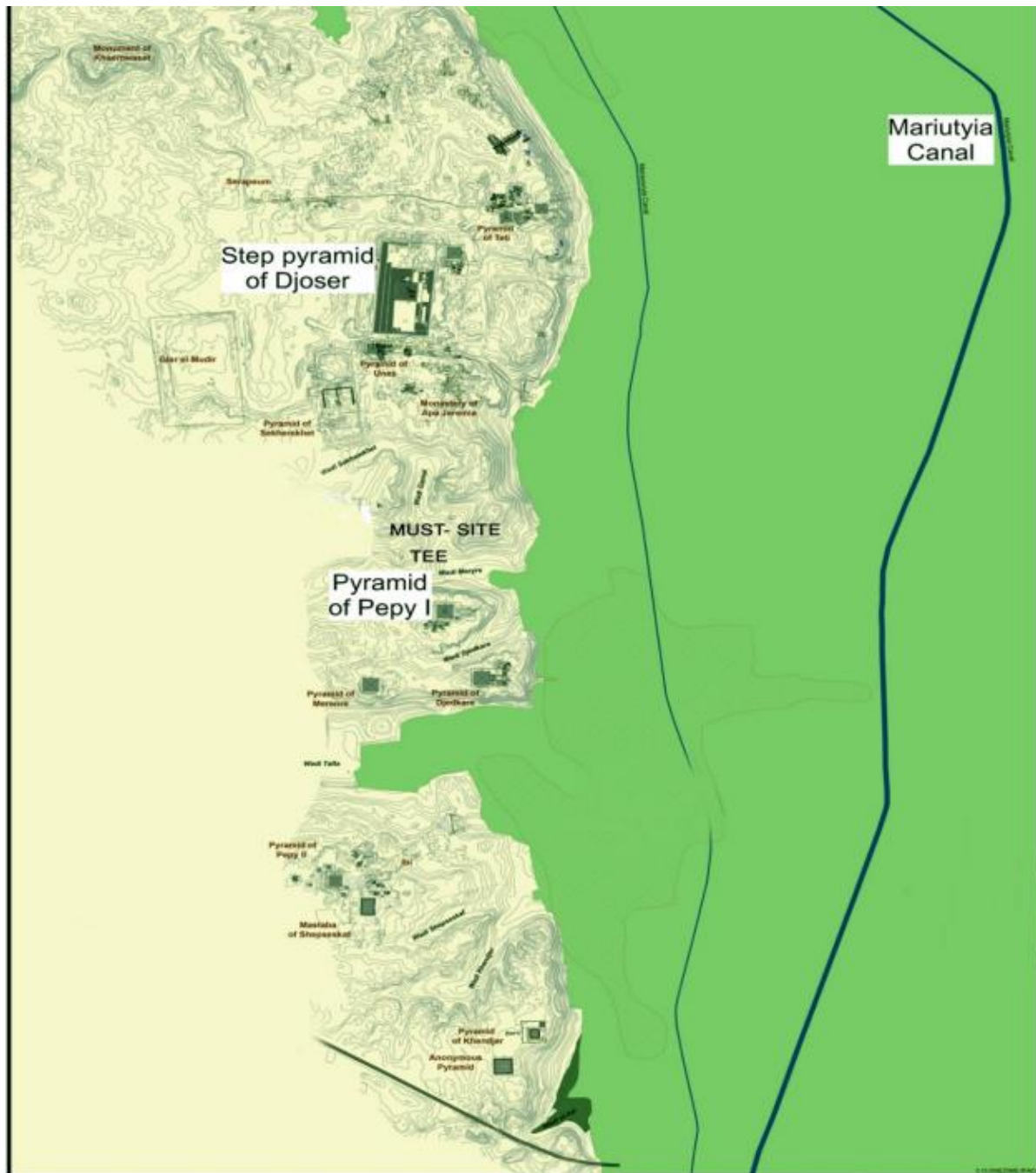
For more info:

- [Links to excavations news](#)
- <https://www.gomhuriaonline.com/Gomhuria/918027.html>









Collaboration with international excavations missions

The Faculty of Archaeology contributes in sustainability through its participation in some of the already existing excavations missions in Egypt, like the excavation works in collaboration with the Russian Excavation mission in Giza, and the excavations with the French Institute of Oriental Archeology in Deir el-Medina, where the faculty collaborated with the participation of conservators in the project that published a new tomb in the site.



Center for Editing Arab Heritage

MUST has been among the first Arab universities to focus on the sciences of Arab heritage, stemming from its duty to serve the Egyptian and Arab society. The Center has been established 2010 with the aim to have the Arab World enlightened with and aware of its ancient heritage, and seeking keenly to publish its eternal works most of which are still in the form of manuscripts till this day. The center is concerned with authenticating the ancient Arabic manuscripts in all fields of Islamic knowledge, such as Tafsir (interpretation of the Holy Qur'an), Fiqh (Islamic jurisprudence), Hadith (Prophet Muhammad's Traditions narrated by His most trusted companions), and literature and medicine. Hence, these valuable works are widely published in the Arab as well as Muslim Worlds as a valuable addition to culture and knowledge.

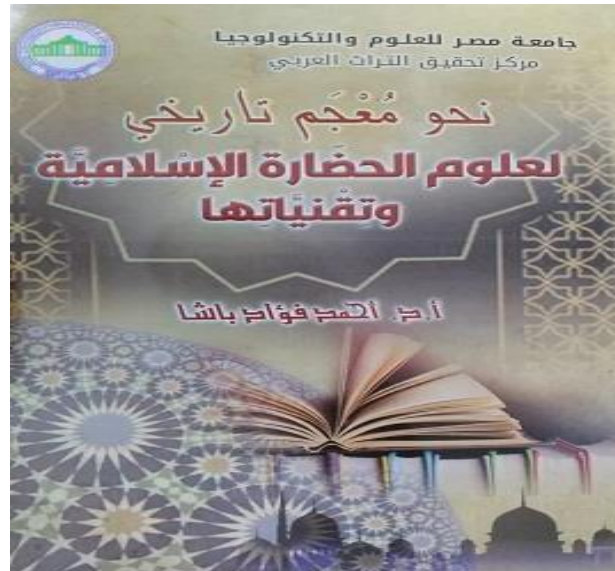


For more info:

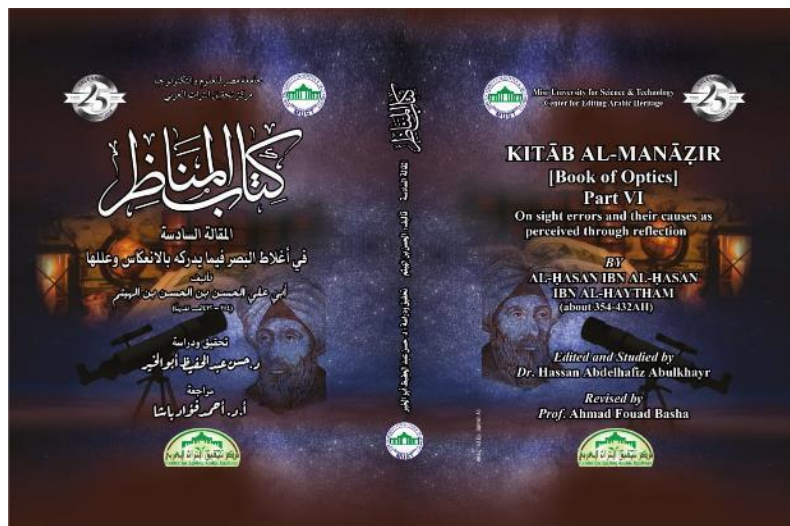
- <https://must.edu.eg/center-of-editing-arabic-heritage/>



Some publication of the Center for Editing Arabic Heritage in 2020-2021



Towards a Historical Dictionary of Sciences and Techniques of Islamic Civilization.



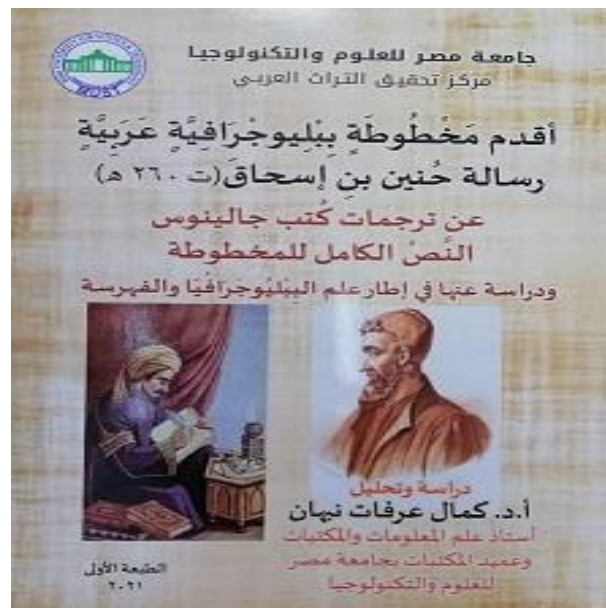
Kitab Al-Manazer (The Book of Optics): The sixth article on the errors of vision in what it perceives by reflection and its causes by Ibn Al-Haytham.



The Greek and Persian roots for bibliography and library terminology



History of the Arabs' Veterinary Medicine.



The Treatise of Hunayn ibn Ishaq on translations of Galen's books and a study of them in the framework of bibliography and indexing.

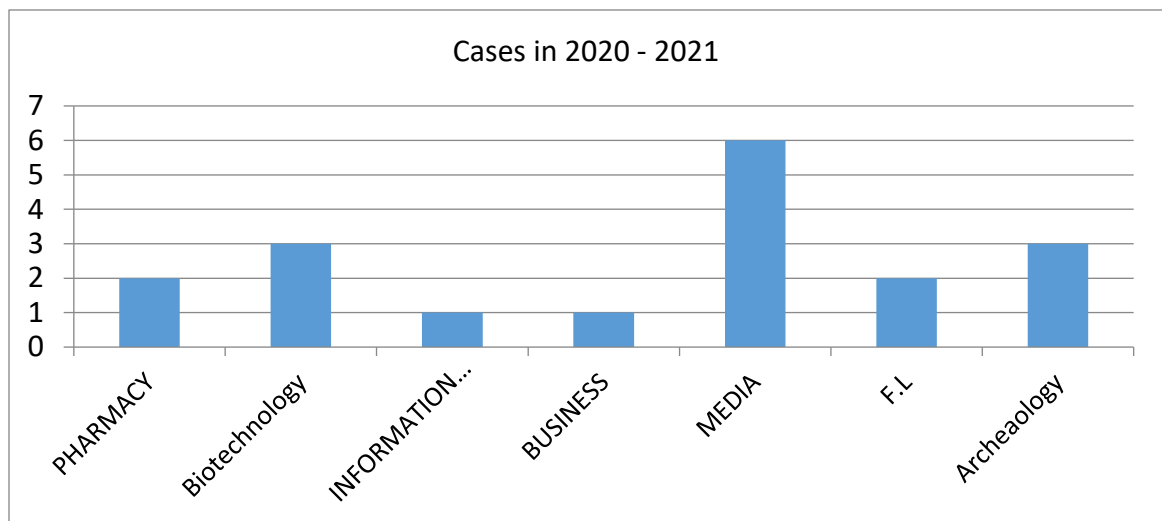
Support Unit for people with Special Needs

The College of Special Education has a support unit provides support for students with special needs to overcome the Academic difficulties as well as social and behavioral guidance to develop their professional attitudes and interests. The unit preserve language and folklore through using in the learning processes for teaching students with special needs.

For more Info:

- <https://must.edu.eg/academics/college-of-special-education/>

Cases that follow up with the support unit in 2020-2021.





11.4 Sustainable Practices

MUST is very active in sustainable transportation and housing. Sustainable commuting is one of the main achievement of MUST. MUST provide a convoy of cars, buses, minibuses, and electric cars for students and employee transportation within and from and to the university. MUST installed platforms and technology systems that allow remote working. Furthermore, MUST offers flexible working hours, provide affordable housing for employee and students, collaborate with local authority regarding planning and development.



[The Tech Valley campus extension](#)

11.4.1 Sustainable Practices Targets

Sustainable Commuting

Sustainable commuting is one of the main goals of MUST. MUST provide a convoy of cars, buses, minibuses, and electric cars for students and employee transportation within and from and to the university. MUST provide 55 buses for employee transportation and 19 minibuses for students' transportation within Greater Cairo governorate. Trips are shuttled twice a day to allow flexible commuting to and from the university.

To make life easier on Campus for disabled and people with special needs, facilities for the disabled, Pedestrian path on campus, and electric cars for within campus transportation, with onsite ramps providing easy access to buildings. Lifts also feature braille-buttons to help students independently use them. Moreover, MUST have three Mobile Hospitals available on campus and go out to serve the public in different governorates in medical convoys three to four time in the year.

For more Info:

- <https://must.edu.eg/university-life/>



SDG 11: Sustainable Cities and Communities





11.4.2. Promote Sustainable Commuting

MUST sets strict policies and practices to promote and achieve sustainable commuting. and offer a flexible working hours to reduce employee commuting on campus.

MUST places a high value for promoting sustainable commuting on campus. For that, MUST has taken many measures to reduce car movement on campus. Some of these measures are:

- Dedicated car parking areas with capacity 650 cars away from the schools' buildings
- Forbid car movement on roads used heavily by students.
- Limit regular cars and allow only zero emission vehicles, e.g. electric cars, on road that students use regularly.
- Smart gates have been installed at university entrances allowing only subscribed motorists to enter the campus.
- An off-campus parking lots are available to reduce the number of cars on campus.
- Providing enough buses to transport students, staff, and employee to and from the campus.

For more Info:

- <https://must.edu.eg/university-life/>



An aerial view showing the ratio of parking area to the total campus area





11.4.3. Promote Remote Working

MUST adopts a policy and standard practice to allow and promote telecommuting, remote working for many employees, and offer a flexible working hours to reduce employee commuting on campus. Most of the software systems and platform that support remote working are installed in the information technology center and the e-learning center. There are three main systems and platforms, the Banner learning management system for students registration and learning managements, the SmartLearning (Moodle) system as a contents management system, and the HUMAN system for support employee. All these system are accessible for students, faculties, and employee on campus and remotely.

The E-Learning Center

The E-Learning Center, established 2015, at MUST helps faculty members, students, and employees to work remotely. It provides the platforms, technical tools to faculty members and students for allowing e-enabled learning environment. Due to this effective environment, MUST has received a five-star rating for the e-learning from the QS international evaluation body during the COVID-19 outbreak to become the first university in Africa to receive this rating. The Banner learning management system, the Moodle, Microsoft Team, and Human are some of the E-Systems platforms available that allow remote working for faculty members, students, staff, and other employee. MUST also developed the HUMAN Online system (web and mobile) to supports all member to interact with the HR remotely. All these system are accessible from within and outside the university.

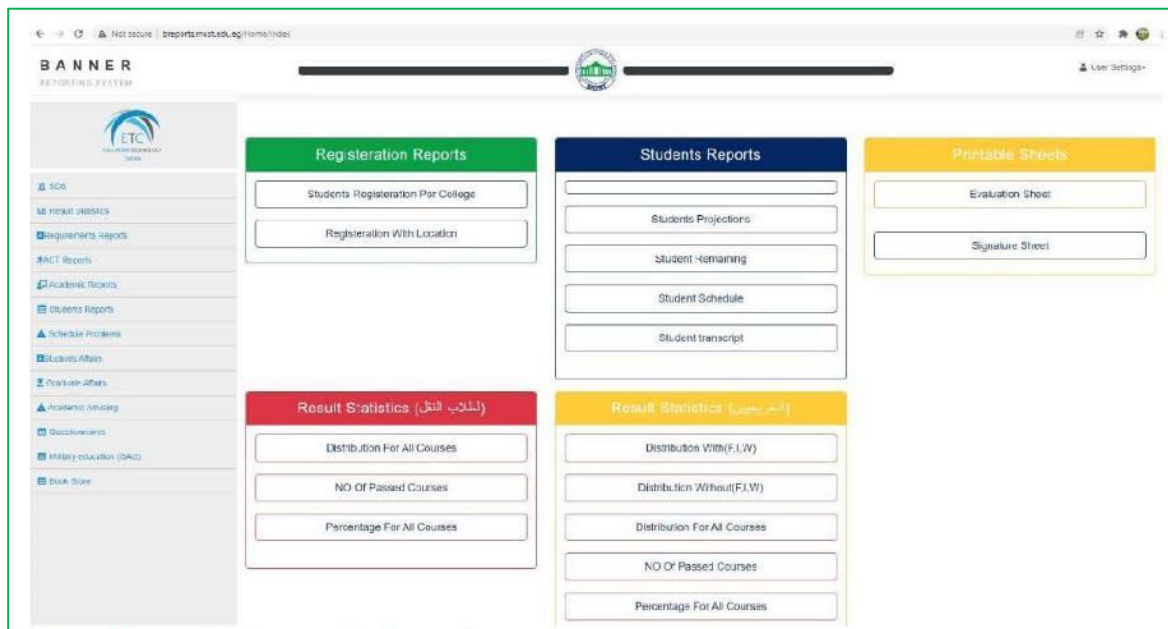


For more info:

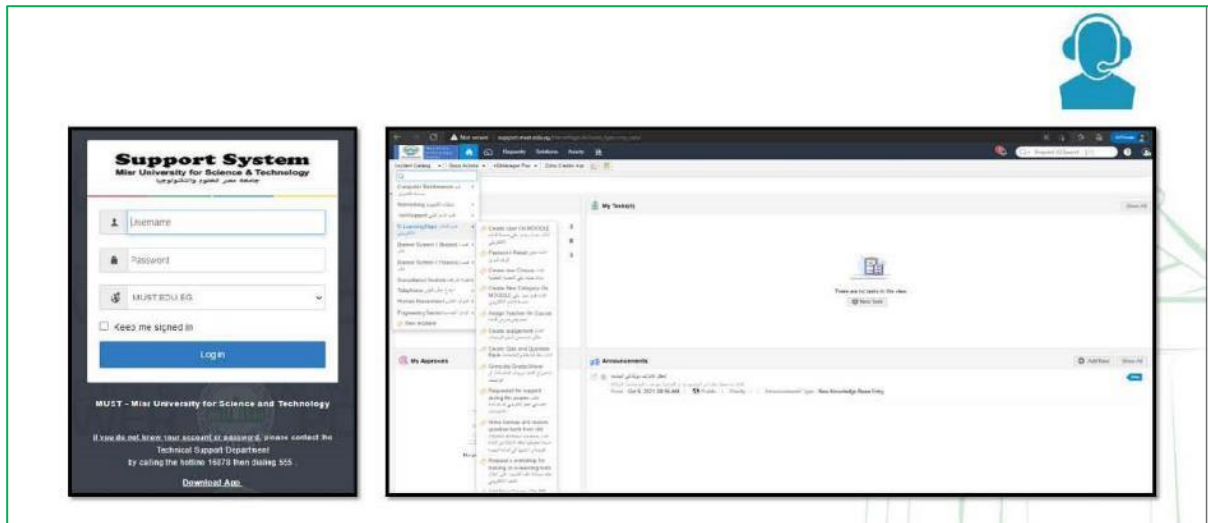
- [The e-learning center website](#)

The E-Learning Systems and Platform

- [Learning Management System](#)
- [Technical Support System](#)
- [Employee Support \(HUMAN\)](#)



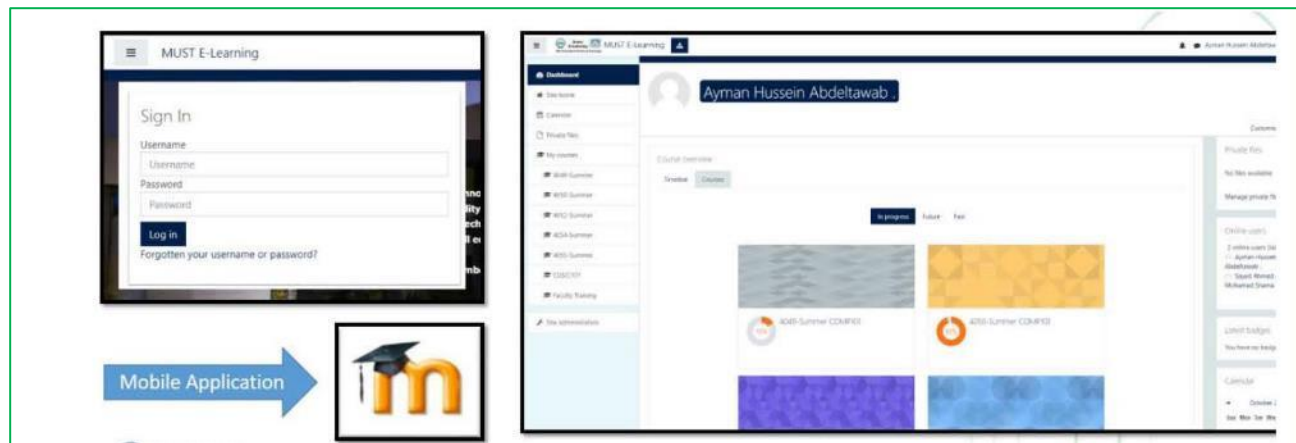
[The Learning Management System](#)



The Technical Support System

| PROD | BILD | TEST | CONV |
|--|--|--|---|
| Banner 9 Admin Pages <ul style="list-style-type: none"> • Application Navigator • Banner Access Management • workflow.must.edu.eg (PROD) | Banner 9 Admin Pages <ul style="list-style-type: none"> • Application Navigator • Banner Access Management • dworkflow.must.edu.eg (DEV) | Banner 9 Admin Pages <ul style="list-style-type: none"> • Application Navigator • Banner Access Management | Banner 9 Admin Pages <ul style="list-style-type: none"> • Application Navigator |
| Banner 9 SS Apps <ul style="list-style-type: none"> • Student Self Service • General Event Management SSB • Banner General SSB • Faculty Self Service • Finance Self Service • Employee Self Service • Banner Student Registration | Banner 9 SS Apps <ul style="list-style-type: none"> • Student Self Service • General Event Management SSB • Banner General SSB • Faculty Self Service • Finance Self Service • Employee Self Service • Banner Student Registration | Banner 9 SS Apps <ul style="list-style-type: none"> • Student Self Service • General Event Management SSB • Banner General SSB • Faculty Self Service • Finance Self Service • Employee Self Service • Banner Student Registration | Banner 9 CTOOL <ul style="list-style-type: none"> • Conversion Toolkit |
| Self-Service Banner (SSB8x) <ul style="list-style-type: none"> • B8 SSB8x English • B8 SSB8x Arabic | Self-Service Banner (SSB8x) <ul style="list-style-type: none"> • B8 SSB8x English • B8 SSB8x Arabic | Self-Service Banner (SSB8x) <ul style="list-style-type: none"> • B8 SSB8x English • B8 SSB8x Arabic | |
| Banner Extensibility / Theme Editor <ul style="list-style-type: none"> • Banner Extensibility • Banner Extensibility Theme Editor | Banner Extensibility / Theme Editor <ul style="list-style-type: none"> • Banner Extensibility • Banner Extensibility Theme Editor | Banner Extensibility / Theme Editor <ul style="list-style-type: none"> • Banner Extensibility • Banner Extensibility Theme Editor | |
| Communication Management <ul style="list-style-type: none"> • Communication Management | Communication Management <ul style="list-style-type: none"> • Communication Management | Communication Management <ul style="list-style-type: none"> • Communication Management | |




[The Banner Learning Management System](#)



The Smart Learning Platform

MISR UNIVERSITY
FOR SCIENCE AND TECHNOLOGY

e-books, and based on that subscription, any student or faculty member has the right to create a new user on these platforms in order to have the ability to download international e-books. And those platforms are:

- 1- McGraw Hill
<https://www.mhebooklibrary.com/>

- 2- EBSCO Platform
<https://search.ebscohost.com/>

- 3- ELSEVIER Platform
<https://www.clinicalkey.com/student/login>


إمتداد محور 26 يوليو - الحى المتميز السادس من أكتوبر , الجيزة 168

The Digital Library

SDG 11: Sustainable Cities and Communities

[The Employee Support \(HUMAN\)](#)

11.4.4 Affordable Housing for Employee

MUST provides affordable housing for employee. This housing rate is lower than market-rate of equivalent non-university housing. University resources include an off-campus housing marketplace with apartment and home rental companies. The Department of Housing has launched its services with the beginning of the university's inception and is keen to provide a healthy climate for students to maintain a suitable social and academic atmosphere. For this purpose, the department strives to choose the most appropriate locations adjacent to the university campus and furnish them with comfort furniture.

Services provided by the Department :

- Hotel rooms for the accommodation of male and female students.
- Cleaning services on a daily basis.
- Maintenance work throughout the day for resident students.
- All needed services: Air conditioning, equipped kitchens, laundry rooms, etc.
- Reliable security system.
- Transportation to and from the university over the day.
- Housing support for foreign students with scholarships.
- Housing for the Scientific and Social Students Unions' activities.
- Housing for the Arab Universities' Student Union Exchange Students.

For more info:

- <https://must.edu.eg/must-student-housing/>

Statistics of university housing for students, faculty members, and employee in the academic year 2020/2021.

| Residence | Gender | # Rooms | # Beds | Location |
|-------------|---------|---------|--------|------------------------|
| Jamjoom | females | 47 | 96 | Across the street |
| Almotamyez | | 53 | 106 | Near to the University |
| Mina-Garden | Males | 20 | 34 | Across the street |
| West Sumed | | 8 | 16 | Near to the University |
| Total | | 128 | 252 | |

11.4.4 Affordable Housing for Students

MUST provides affordable housing for students. This housing rate is lower than market-rate of equivalent non-university housing. University resources include an off-campus housing marketplace with apartment and home rental companies. The Department of Housing has launched its services with the beginning of the university's inception and is keen to provide a healthy climate for students to maintain a suitable social and academic atmosphere. For this purpose, the department strives to choose the most appropriate locations adjacent to the university campus and furnish them with comfort furniture.

Services provided by the Department :

- Hotel rooms for the accommodation of male and female students.
- Cleaning services on a daily basis.
- Maintenance work throughout the day for resident students.
- All needed services: Air conditioning, equipped kitchens, laundry rooms, etc.
- Reliable security system.
- Transportation to and from the university over the day.
- Housing support for foreign students with scholarships.
- Housing for the Scientific and Social Students Unions' activities.
- Housing for the Arab Universities' Student Union Exchange Students.

For more info:

- <https://must.edu.eg/must-student-housing/>

Statistics of Student Housing 2020-2021

| | | Male | Female | Total | Country |
|-------------------|---|------|--------|-------|-----------|
| Egyptian Students | | 45 | 197 | 242 | Egypt |
| Academic Staff | | | 5 | 5 | Egypt |
| Employee | | 5 | | 5 | Egypt |
| Student Exchange | Egyptian Union of Pharmacy Students | | 2 | 2 | France |
| | Scientific Society of Medicine Students | 1 | 1 | 2 | Italy |
| | | 1 | 1 | 2 | Tunisia |
| | | 1 | | 1 | Slovenia |
| | | | 1 | 1 | Greece |
| | | | 1 | 1 | Romania |
| | Arab Universities' Student Union | 10 | 6 | 16 | Jordan |
| | | 9 | 6 | 15 | Iraq |
| | | 16 | 12 | 28 | Yemen |
| | | 14 | 12 | 26 | Palestine |
| Total | | 102 | 245 | 347 | |

11.4.6 Pedestrian Priority on Campus

MUST sets strict policies and practices to promote and achieve sustainable commuting. MUST has taken many measures to reduce car movement on campus. Some of these measures are limiting car movements on campus roads that are used regularly and prevent them on roads with crowded pedestrians. Electric cars are available on campus for commuting within the campus.

Promoting Sustainable Commuting

MUST places a high value for promoting sustainable commuting on campus. For that, MUST has taken many measures to reduce car movement on campus. Some of these measures are:

- Dedicated car parking areas with capacity 650 cars away from the schools' buildings
- Forbid car movement on roads used heavily by students.
- Limit regular cars on roads that students use regularly.
- Smart gates have been installed at university entrances allowing only subscribed motorists to enter the campus.
- An off-campus parking lots are available to reduce the number of cars on campus.
- Providing enough buses to transport students, staff, and employee to and from the campus.

For more Info:

- <https://must.edu.eg/university-life/>

SDG 11: Sustainable Cities and Communities



11.4.7. Collaboration with Local Authority for Planning and Development

MUST works with local authorities to address planning and development issues that ensure local residents be able to access affordable housing and easy and safe commuting to the university. MUST has managed with local authority to build a bridge that link the main campus and the new campus, the Tech Valley, across the street. This bridge has saved lives of pedestrian students and employee from crossing the high-way.

Collaboration with Local Authority

MUST university took many initiatives to collaborate with the local authority for development and planning. Some of these initiatives are:

- A pedestrian bridge was established to link the main campus to the new extension across the street in cooperation with the Giza Governorate and the implementation of the National Service Projects Organization.
- Coordination with the local authority to have a station for the new monorail, will be called the Suad Kafafi station, at the university.

For more info:

- [The Pedestrian Bridge](#)
- <https://egy-map.com/project/>



مشروع إنشاء كوبرى المشاة – على محور 26 يوليو
جامعة مصر للعلوم والتكنولوجيا – قطاع تنفيذ المشروعات

| وصف المشروع | | ضمن أهداف الجامعة للخدمة المجتمعية | |
|-------------------------------|-----------------|---|--|
| الطول : | 112 م | وحماية لأبنائنا الطلاب، ورواد المستشفى الجامعي، | |
| العرض : | 4 م | قامت جامعة مصر بإنشاء كوبرى المشاة، ليقدم طلاب | |
| الارتفاع الصافي : | 6.5 م تحت الجسر | الجامعة كما أنه يهدف لخدمة المواطنين بصفة عامة | |
| الارتفاع الإجمالي : | 12 م | بمدينة 6 أكتوبر بحماية المشاة من العبور غير الآمن | |
| عدد 2 مصعد كهربائي في كل جانب | | | |

Collaboration with the Leaders Preparation Center

MUST initiated a cooperation protocol with the Leaders Preparation Center for cultural and artistic activities. The Minister of Social Solidarity visits Misr University for Science and Technology and invites students to volunteer and participate in development programs, The Ministers of Investment and Finance inaugurate the First International Scientific Conference on Entrepreneurship and Women Empowerment at MUST. The Minister of Youth and Sports interviews the youth of MUST for the symposium “Egypt First... No for Intolerance”

For more info:

- [Leaders Preparation Center Protocol/](#)
- [“Egypt First... No for Intolerance” Symposium](#)

Collaboration with Local Authority for Treated Water Usage and Recycling

MUST collaborated with the Sixth of October City Authority to use the treated water for a variety of purposes. The plant station is operated by the Sixth of October City Authority, which includes the installation of (two sub-distribution wells - 20 water troughs - 58 sand filters - filter pump housings - generator housings - filter wash pump housings - filtered water tanks), as well as the electromechanical supplies and civil works required for the operation and maintenance of buildings, workshops, maintenance, and other facilities. The treated drainage water can also be used to water woody trees.



The plant station of Six of October City Authority

11.4.8 Planning Development New Buildings Standards

Planning New buildings with sustainable standards

MUST University expansion project, the Tech Valley, is a step into the future. The project was planned and started two years ago with distinctive sustainable environmental design standards. Some of the sustainability elements in the design are:

- Environmentally friendly designs through usage of courtyards
- Water and air-cooled chiller systems
- Replacing electrical usage with natural gas
- Double glazed windows
- Longitudinal windows on facades to decrease heat emission.
- Heat isolation improvement
- Cooling Building masses arranged to allow efficient natural air flow and ventilation
- the outdoors with water fountains designed to be economically friendly and water efficient

A real image for the current stage of the Tech Valley campus can be seen on google maps here:

- [Tech Valley on Google Maps](#)



The Tech Valley campus extension



Investments that do not take into account sustainability patterns:

- It means any projects that do not improve the standard of living of the citizen.
- cause the waste of natural resources, especially
 - water.
 - Energy,
 - land,
 - Environmental pollution,
 - or result in an increase in waste generation and non-recycling, whether in the implementation or operation phase.

Misr University for Science and Technology

represented in the P.I.S
"project implementation sector"

relied on the "Environmental Sustainability Standards Guide" issued by the Ministry of Planning and Economic Development. & Because of our deep belief in our societal role, we sought to develop our projects in line with the directions of the state, especially in Giza Governorate, specifically October City, containing 36 Projects, and ours.

The National Agenda for Sustainable Development & 2030 Overview

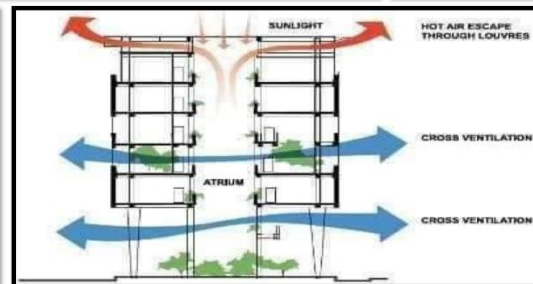
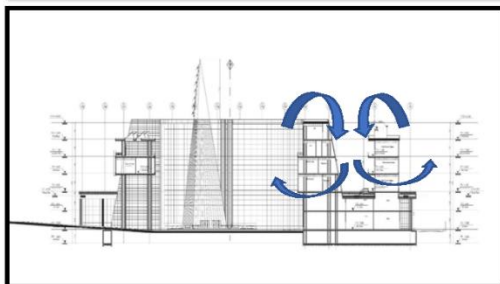
- Environmental Law No. (4) of 1994 and its amendments.
- Investment Law No. 72 of 2017.
- Law No. 182 of 2018 Regulating Contracts Concluded by Public Entities.
- Presidential Decree No. 560 of 2018.
- Cabinet Meeting Resolution No. (98) dated 25/6/2020.
- Cabinet Meeting Resolution No. (115) dated 10/28/2020.

Courtyards with spacious interior patios that help shade the interior environment and reduce the thermal impact, especially during peak temperatures in the summer.

Relying on natural heating and cooling systems.



Distinguished environmental design with spacious inner courtyards in the summer



Illustrative sketch of air movement through the inner courtyards and the resulting shading in the project

Green roofing & gray water recycling:



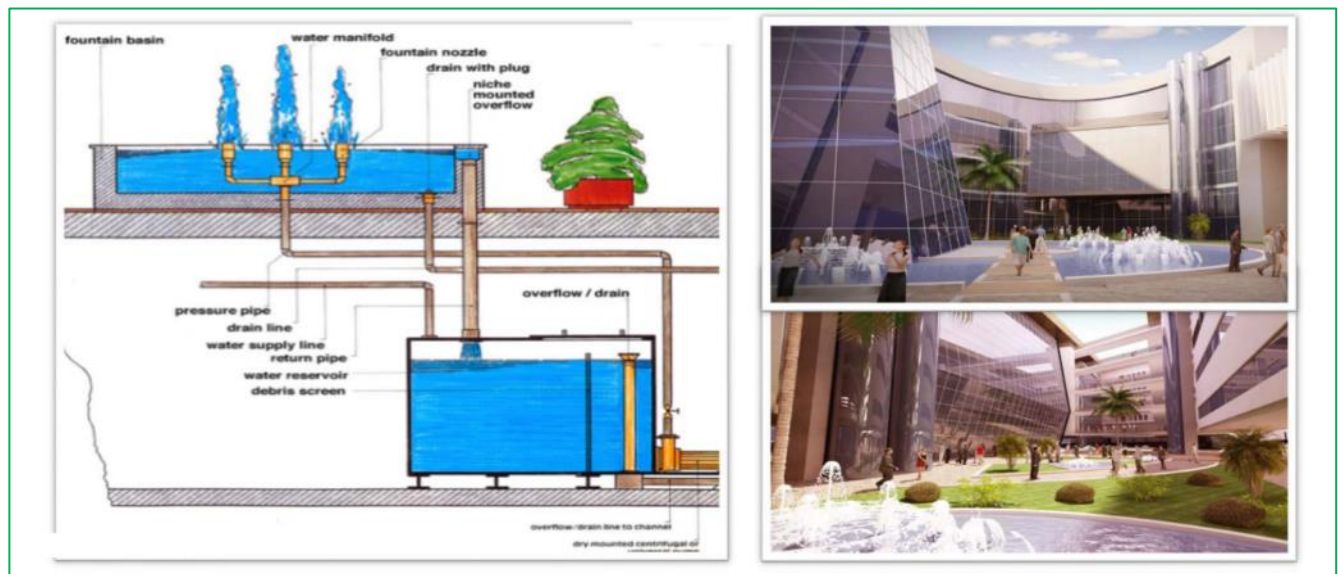
Solar panels and chillers:



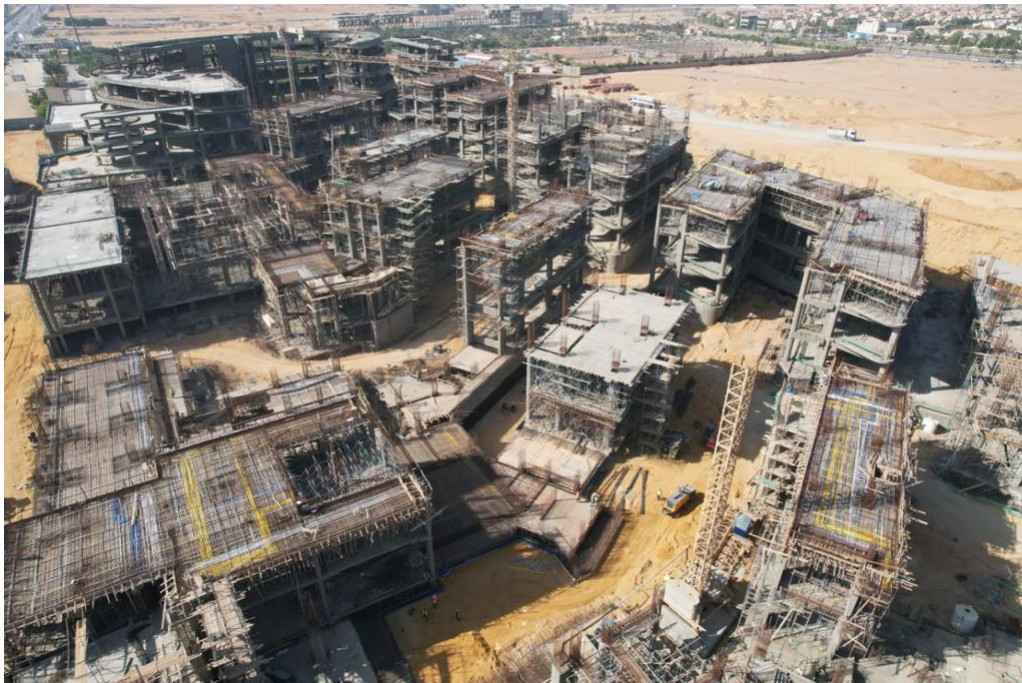
Building masses distribution:



Water fountains for air cooling with water use efficiency and recycling:



Real images from the site of the Tech Valley extension







MUST Ranking Office

13 CLIMATE ACTION



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

SDG 13

Climate action



SDG 13: Climate action

Artificial Intelligence Center invented a new applicable system for smart greenhouses, to conserve energy, and reuse all available resources without harming the environment.

MUST university recruit all the facilities for serving all communities around the university and all over Egypt. Also, MUST university provides consulting services for the public.

MUST university services regarding climate change include the following

1. Provide a training program for the public about climate change
2. Consulting services
3. Implementing Smart Greenhouse
 - [أقلمة نظم زراعية مع تغيرات مناخية جزء 1 أ.م.د. تحسين شعله وشركة مصرتونس د. شكرية المراكشي م. سعيد اللبان - YouTube](#)
 - [video – OneDrive \(sharepoint.com\)](#)
 - [video - OneDrive \(sharepoint.com\)](#)

Smart greenhouse



Conserving water using artificial intelligent system prototype.

- [video - OneDrive \(sharepoint.com\)](#)
- [video - OneDrive \(sharepoint.com\)](#)
- <https://www.youtube.com/watch?v=TXCaPbQEomk>



MUST Ranking Office



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY



SDG 15

Life on land



SDG 15: Life on land

Misr University for Science and Technology transfers treats and recycles various wastes with the help of a local recycling company called Al Amal Company. The University developed a single-streamed recycling system, making it easy for students and faculty to decide what they may and cannot recycle. Furthermore, this programme allows all types of recyclables (plastic, glass, food, and cans) to be placed in the same container, simplifying the user's life.

Misr University for Science and Technology's maintenance department recycles wood and metal waste to reduce carbon emissions in the environment and optimise its utility.

Misr University for Science and Technology reduces using plastics bags by putting signs for no more plastic bags and plastic bags are not allowed. Also, the university own Paper shredder Machine to ease recycling process for paper companies. Also, MUST University uses Banner human system to supports paperless system and reduce paper in daily workplace. It can reduce a lot of paper use that mean University can reduce CO2 emissions and save the world. Additionally, solutions of reusable paper in back office, e.g. using 2-side of paper, always recheck your data before print, use online system instead of hard copy.

The only structures at MUST University that generate organic waste are the food court and arboretum, which manage this type of waste completely independently. The food court manages organic waste through contracts with a specialist company called (Al Amal. Company) which collects organic trash and transports it to an authorized waste treatment plant that processes the material via anaerobic digestion. This system generates biogas, from which biomethane, energy, and liquid carbon dioxide for industrial application are produced, as well as organic fertilizers. Also, the University has a trees wood and leaves shredder machine which converts them into small pieces,

then the university utilizes a small recycling system by putting shredded wood and leaf materials under plastic sheets to convert them to Peat moss.



Example of Program to Reduce the Use of Plastic in Campus



Paper shredder Machine



Human Resources



Example of Organic Waste Treatment

- <https://bannerlinks.must.edu.eg/>
- <https://human.must.edu.eg/Human/Account/Login>

Soad Kafafy Hospital (Waste Technical Team) at the University is in charge of hazardous waste management (solid/liquid/gaseous).

Dentist and hospital, A temporary waste storage facility to properly store hazardous waste received from labs until it is picked up by the authorized company (Abdo Bash Company). Trained technicians who provide garbage packaging and labelling instructions and fill out paperwork by national and international norms.

The Dental Clinics Complex is a state-of-the-art clinical complex which provides a wide range of dental care services for patients. The Faculty of Oral and Dental Surgery thrives to provide the best clinical education for its students which meets the standards of higher education institutions as well as serving the community with the highest standards of dental care. The complex consists of 3 main clinics in addition to 3 specialized treatment clinics and a diagnostic centre, each fully equipped with several dental chair units and x-ray units. The Complex also holds a centralized Sterilization unit which provides sterilization services for the armamentarium used in the dental care services.

Full responsibility of the Souad Kafafi hospital and the responsibility of the clinics at the faculty of oral and dental surgery ends when the waste is delivered to the hospital.

Pharmaceutical industry generates a lot of waste while manufacturing and testing drugs. It is important to ensure that this waste is appropriately treated to prevent it from polluting the environment. So, Sewage and effluents from a pharmaceutical manufacturing unit must conform to the regulations of the Environment Pollution Control Board. SEF-MUST was designed to ensure the safe disposal of its wastes. There is a sink that is not connected with the normal pathway of sewage. This sink relates to an external container (outdoor) through a pipeline duct. This container is regularly emptied and disposed of by a private company in designed places outside the university according to an issued contract.



The Memorial Souad Kafafi University Hospital





Toxic Waste Treatment

Sustainable Development Report 2021

Partnerships For the Goals





Relationships with regional NGOs and government for SDG policy

Misr University for Science and Technology (MUST) was established to fulfil the legacy of its founder, whose main goal was community and its members. The university always puts society on the top of its priorities, that way [the university remains the least in tuition fees among all the private universities in Egypt](#) to enable a large sector of students to fulfil their educational dreams. For the university to support its mission, Misr University for Science and Technology has realized the importance of strengthening partnership globally, regional and locally between government, the private sector and civil society to support the Global Sustainable Development Goals.

Being a [member of the supreme council of the Egyptian Universities](#), Misr University for Science and Technology actively participate in formulation of the national policies of [Ministry of Higher Education](#) that promotes the execution of universities' responsibilities in community service and environmental development to fulfill the Egyptian Sustainable Development Strategy "Egypt Vision 2030", which is a national strategy in alignment with the United Nations Sustainable Development Goals (SDGs).

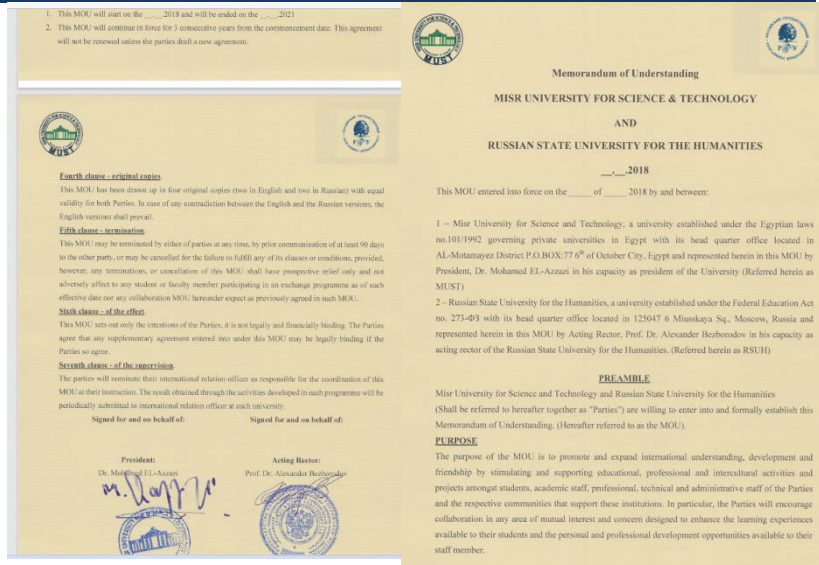
To preserve the unique cultural heritage of Egypt which is essential for the Egyptian cities and community to be sustainable (SDG 11), and [with the existing cooperation between the Egyptian Supreme Council of Antiquities and Egyptian universities](#) in the fields of restoration and excavation works, Misr University for Science and Technology obtained the approval of the Permanent Committee of Egyptian Antiquities at the Ministry of Tourism and Antiquities to carry out excavations mission.

In a precedent, the excavation mission of Misr University for Science and Technology is the first of its kind at the level of all private Egyptian universities. The excavation mission of Misr University for Science and Technology, in partnership with the Supreme Council of Antiquities, started the scientific excavation work in the eastern hill of Tabet El-Guish at Saqqarra, where the mission unearthed a new cemetery, recorded, documented and restored the discovered a skeleton of a dwarf, artifacts, and a sarcophagus.



Moreover, Faculty of Archaeology at Misr University for Science and Technology also participated in other excavations missions in Egypt, like the excavation works in collaboration with the Russian Excavation mission in Giza, and the excavations with the [French Institute of Oriental Archeology in Deir el-Medina](#), where the faculty collaborated with the participation of conservators in the project that published a new tomb in the site.





| INSTITUT FRANÇAIS D'ARCHÉOLOGIE ORIENTALE | L'IFAO | Recherche/Formation | Ressources |
|--|--------|---------------------|------------|
| Deir el-Médina, mission d'étude | | | |
| Responsable(s) | | | |
| Cédric Larcher (IFAO) | | | |
| Partenaires | | | |
| <ul style="list-style-type: none"> Institut français d'archéologie orientale (IFAO) Université de Genève (UNIGE) Institut néerlandais du Proche-Orient (NINO) University of Missouri University of Manchester Musée des Antiquités égyptiennes de Turin Université de Liège (ULiège) Uppsala University Misr University for Science & Technology (MUST) Ecole nationale supérieure des Arts visuels (La Cambre) Leiden University University of Copenhagen Université de Mons-Hainaut (UMH) Ministère du Tourisme et des Antiquités (MoTA) Metropolitan Museum of Art (MMA, The MET) Universität Basel | | | |

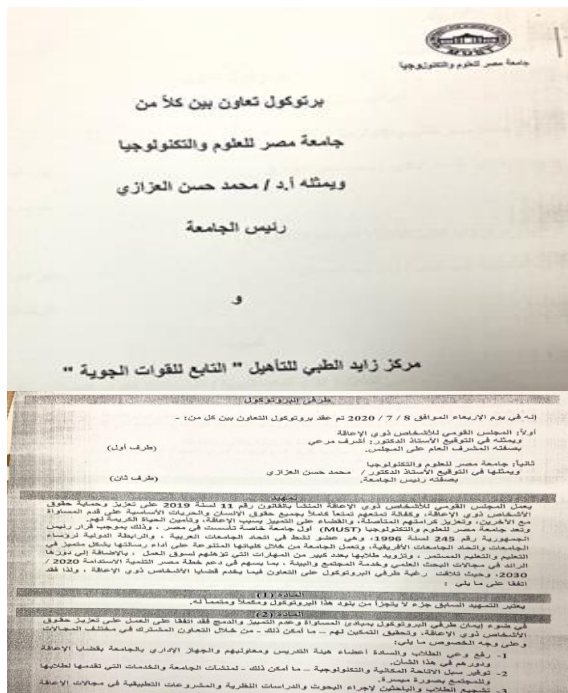
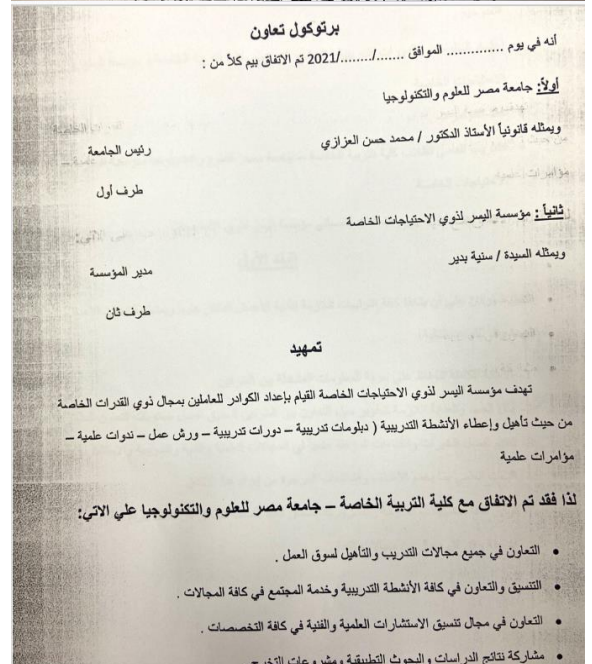
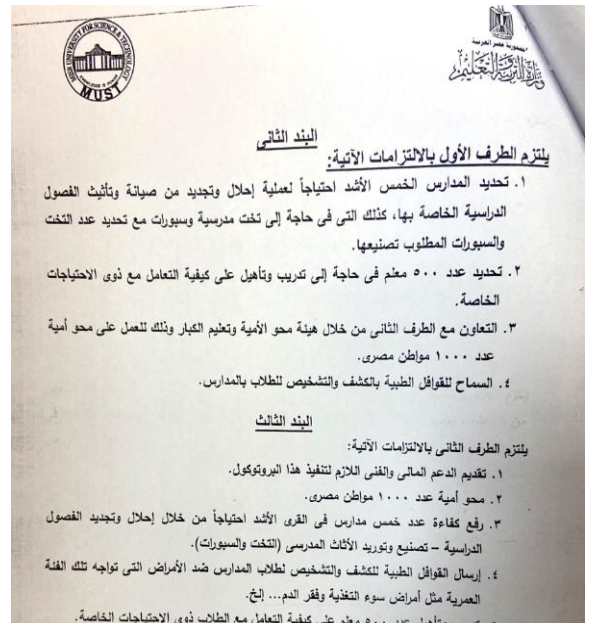
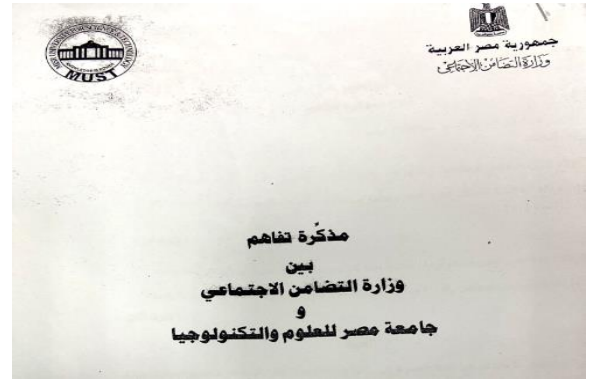
To find alternative local technologies and innovative solutions, Ministry of Higher Education and Scientific Research, represented by the Academy of Scientific Research supported the [transformation of MUST Smart Vending Machine](#), one of the innovative projects of Misr University for Science and Technology's Artificial Intelligent Center into a product in cooperation with the industrial developer, El-Araby Company.



الدكتور محمود صفر رئيس أكاديمية البحث العلمي



For raising the efficiency of workers in the field of individuals with special needs, the College of Special Education offers scholarships to workers in the rehabilitation offices of the Ministry of Social Solidarity to raise their scientific and academic level. The Ministry of Social Solidarity provides its rehabilitation centers to train students of the College of Special Education to acquire skills in dealing with people with disabilities. Moreover, a cooperation protocol with the Ministry of Education was signed to raise the efficiency of education and eliminating ignorance by supporting five schools in the villages most in need through renewing classes and training and qualifying 500 teachers on how to deal with people with special needs. Protocols were also concluded to send medical convoys with the aim of detecting and diagnosing school students against diseases such as malnutrition and anemia. Another cooperation protocol with the National Council for Persons with Disabilities was issued for increasing the awareness of students, faculty members and university staff about the issues and needs of people with special needs and providing suitable places for people with special needs inside university facilities.





A Cooperation protocol between Misr University for Science and Technology and the General Authority for Adult Education, in the areas of managing virtual learning environments and distance education platforms and applications to serve the community by eliminating illiteracy and participate in the national literacy campaign



Renewal of MOU with the Misr El Kheir Foundation for the academic year 2020-2021 to support no poverty and zero hunger SDGs.





Misr University for Science and Technology is the first university to establish a [center for the preparation of leaders through the cooperation of Misr University for Science and Technology](#), the Ministry of Social Solidarity and the Institute for Leadership Development, represented by the Ministry of Higher Education and Scientific Research. Within the framework of the Leadership Development Center, to support youth pioneer initiative projects led by young people that aim to develop society.

In the Medical sector, MUST conducted several agreements to provide the best health educational environment for its students and support SDG3. The university collaborates with Ministry of Health and many educational hospitals. A memorandum of agreement was signed with Cairo University Hospitals to train the university graduates of Physical Therapy. Another protocol was signed with the Rehabilitation Center in Agouza and Medical Rehabilitation Center in Helmeia for gaining practical experience in this special field. Moreover, the protocol of cooperation with the Egyptian Veterans and War Victims Association was renewed for clinical training of the faculty interns. Furthermore, Faculty of Nursing signed a joint protocol with Rofayda Hospital for Women and Children to train the faculty interns.

There is also a cooperation agreement between Baheya Center for Early Detection and Treatment of Breast Cancer and a cooperation protocol With the Military Production Hospital. College of Medicine signed an agreement with the Egyptian Universities and Research Institutes, for training of the internship doctors. Memorandum of understanding between Gulf Medical University (GMU In UAE) and MUST was agreed upon since 2014. GMU had approached MUST to jointly implement a M.B.B.CH twining program where students spend 3 years preclinical courses at GMC and will be nest the 3 clinical years courses at MUST. College of oral and Dental surgery held a cooperation protocol to train doctors in the use of laser technology with the specialized Rama Company, which owns a group of medical centers, and dental clinics in Jeddah in the Kingdom of Saudi Arabia.



To support Egypt vision 2030 in implementing the global sustainable development goals, Misr University for Science and Technology in the academic year 2020-2021 organized many conferences about SDGs. These cross-sectional dialogues were in collaboration with varieties of community bodies.

The second scientific conference of the College of Management, Economics and Information Systems "Digital transformation and its impact on sustainability development"



In collaboration between intelligent safety solutions company and College of Engineering- Misr University for Science and Technology, a workshop entitled "The importance of sustainable development in environmental preservation and its consequences on the creation of new job opportunities" was held in MUST campus.



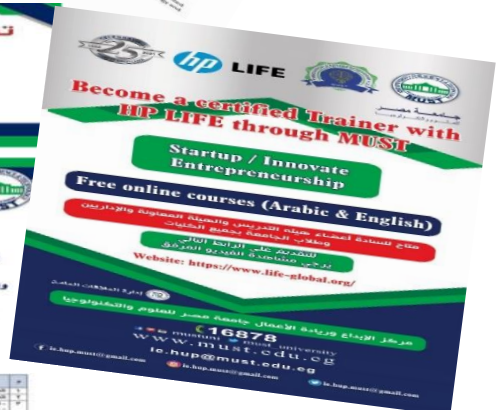


Misr Universities of science and technology in collaboration of equal opportunity unit of 6th October city, celebrating the initiative “no to violence against women”. The university designed and printed brochures and distributed them inside and outside the university premises to raise community awareness.



| Thursday 10.11.2020 | |
|---------------------|---|
| 09:30 AM - 12:30 PM | Workshop part 1: Introduction to Management Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| 12:30 PM - 01:30 PM | Workshop part 2: Introduction to Management Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| 01:30 PM - 02:30 PM | Break |
| 02:30 PM - 03:30 PM | Workshop part 3: Introduction to Cyber Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| 03:30 PM - 04:30 PM | Workshop part 4: Introduction to Cyber Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| Friday 11.11.2020 | |
| 09:30 AM - 12:30 PM | Workshop part 5: Introduction to Cyber Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| 12:30 PM - 01:30 PM | Workshop part 6: Introduction to Cyber Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| 01:30 PM - 02:30 PM | Break |
| 02:30 PM - 03:30 PM | Workshop part 7: Introduction to Cyber Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| 03:30 PM - 04:30 PM | Workshop part 8: Introduction to Cyber Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |

| AGENDA | |
|---|---|
| The 2 nd Bioinformatics Workshop | |
| Venue: Conference Hall, Misr University for Science and Technology (MUST) | |
| Thursday 10.11.2020 | |
| 09:30 AM - 12:30 PM | Workshop part 1: Introduction to Management Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
| 12:30 PM - 01:30 PM | Workshop part 2: Introduction to Management Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |
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| 03:30 PM - 04:30 PM | Workshop part 4: Introduction to Cyber Analysis using Cyber Frameworks Dr. Mohamed Elmaghrabi, Research Assistant, NTA University, Cairo, Egypt |



A workshop in cooperation with Next Academy Company entitled "The Digital Graduate and Modern Employment Strategies"



Medical Challenge in Covid-19 Era the 7th annual congress of College of Medicine.

To conserve cultural heritage, two days' workshop was organized jointly between the Faculty of Archeology and Tourist Guidance – Misr University for Science and Technology and the British Museum on limiting antiquities trade and revealing unscientific and illegal methods of circulation between countries.



[Nutcracker ballet, the Royal Ballet -UK for the First time on MUST Opera House Screen](#)

[The annual celebration of the International Day of the Arabic Language](#)





MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY



Understanding the importance of gathering data for SDG, Misr University for Science and Technology has launched the Public Opinion Research and Survey Center. The Center helps to foster a culture where surveys are accepted, where participation is encouraged, and where the public's opinions on a variety of issues are known. One of the center's main goals is to accurately assess the university community's current level of environmental awareness so that the survey results can aid university decision-makers in implementing initiatives that will motivate the community to actively participate in protecting and preserving the environment in accordance with the UN's goals for sustainable development. Misr University For science and Technology has a protocol of agreement with the Governmental agency [The Central Agency for Public Mobilization and Statistics](#). The Central Agency for Public Mobilization and Statistics (CAPMAS), provides a package of statistics and data which covers all the economic activities, social characteristics, demographics, and environmental activity. The signed protocol provides cooperation in field surveys, data exchange, research, convening joint seminars and conferences.





بروتوكول

بين مركز بحوث واستطلاعات الرأي العام بجامعة مصر للعلوم والتكنولوجيا
والجهاز المركزي للتعبئة العامة والإحصاء

انه في يوم الثلاثاء الموافق ٢١ من شهر سبتمبر ٢٠٢١ تم توقيع هذا البروتوكول
بين كل من :

أولاً: الجهاز المركزي للتعبئة العامة والإحصاء الكائن بشارع صلاح سالم
بمحافظة القاهرة
ويمثله في التوقيع السيد اللواء / خيرت محمد بركات رئيس الجهاز.
(طرف أول)

ثانياً: مركز بحوث واستطلاعات الرأي العام بجامعة مصر للعلوم والتكنولوجيا
الكائن بالحي المتميز بمدينة ٦ أكتوبر بمحافظة الجيزة
ويمثله في التوقيع السيد الأستاذ الدكتور / عمرو ممدوح الليثي رئيس مجلس
إدارة المركز.
(طرف ثان)

بروتوكول بين جامعة مصر للعلوم والجهاز المركزي للإحصاء في
إجراء المسوح



CAPMAS is the official Egyptian statistical
agency

<https://www.elwatannews.com/news/details/5707627>

Since Misr University for Science and Technology is a member of both [The Association of Arab Universities](#) and [The Association of African Universities](#). This membership allows the universities to actively participate in the community surveys conducted by these organisations, such as the survey on the effects of the Corona pandemic on education. These surveys help to improve the academic environment for all universities and promote quality assurance and accreditation and support the sustainability development goals.

إتحاد الجامعات العربية
Association of Arab Universities

الرئيسية | عن الإتحاد | أخبار ونشاطات | إعلانات | الجوائز البحثية | إتصل بنا | English

إستبيان أعدته الأمانة العامة للاتحاد بهدف إستطلاع آرائكم للتعرف على مدى تأثير جائحة كورونا على جامعتكم

26/07/2020

كلمة الأمين العام
الأنظمة والتعليمات
الخطة الاستراتيجية



COLLABORATION FOR SDG BEST PRACTICE

Misr University for Science and Technology is directed toward participating through international collaboration and research, review comparative approaches and develop international best practice on tackling the SDGs.

To provide best practice in Education for all Egyptian Students, MUST Test Center is the only authorized Egyptian institution in collaboration with Person PTE to provide PTE test. [“ On April 1st, 2021, Pearson-the world’s learning company, hosted a virtual launch of its PTE Secure English Language Test \(SELT\) at Misr University of Science and Technology. These tests have been approved by the UK Home Office and are used for UK Visas & Immigration \(UKVI\) purposes”.](https://www.pearson.com/content/dam/one-dot-com/one-dot-com/english/CaseStudies/Versant/Versant-Case-Study-Misr-University.pdf) MUST Test Center offers other tests like the Versant™ English Placement Test of Person (VEPT) an English proficiency test for individuals whose native language is not English.

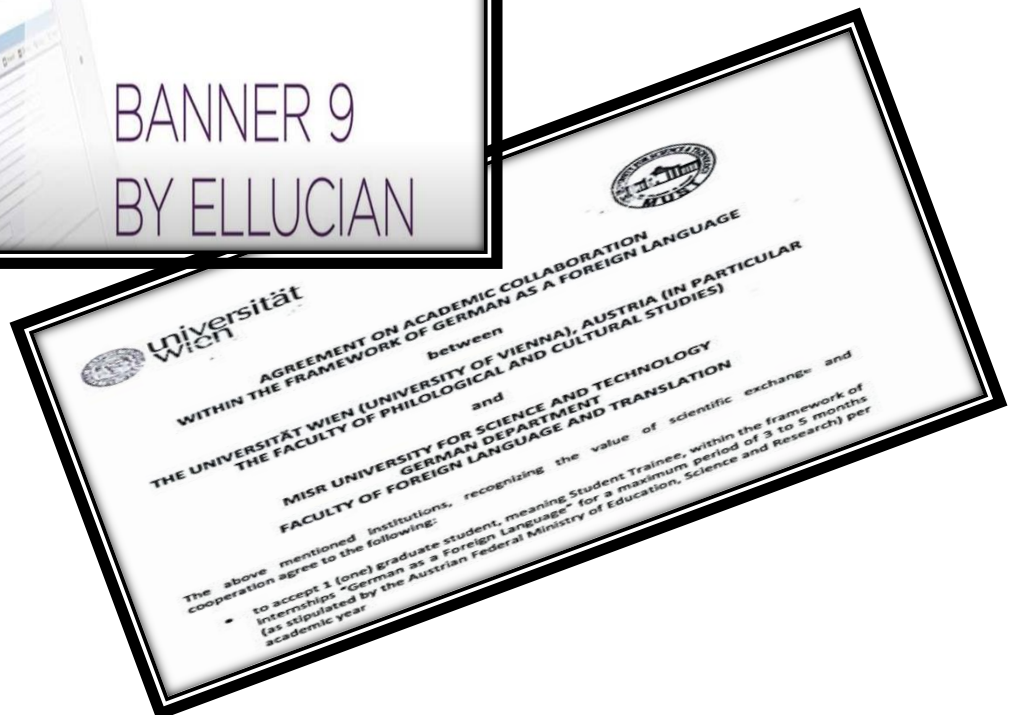
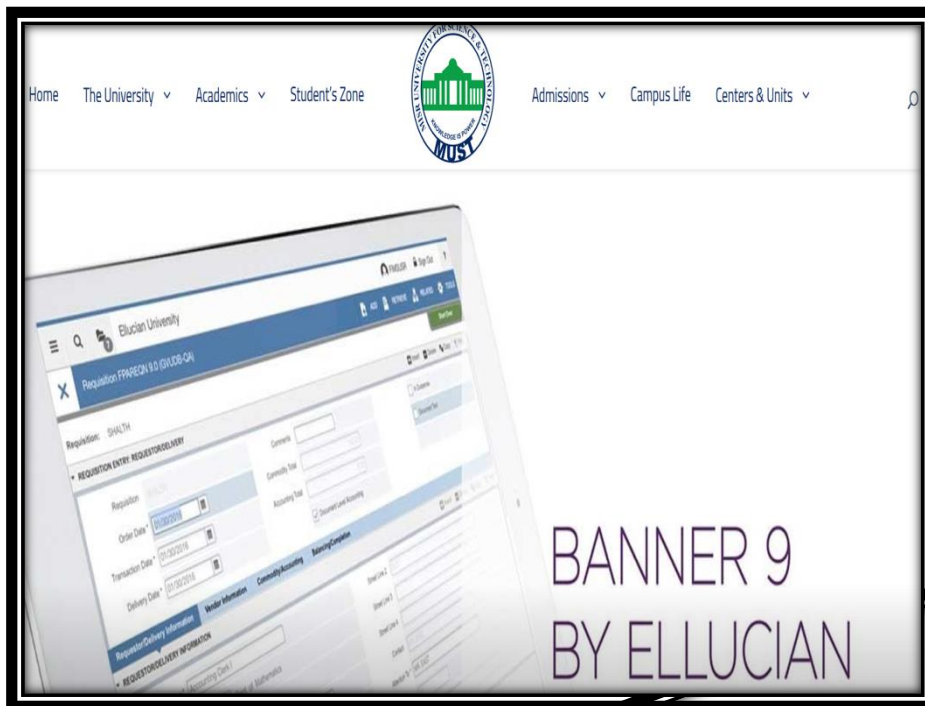
<https://www.pearson.com/content/dam/one-dot-com/one-dot-com/english/CaseStudies/Versant/Versant-Case-Study-Misr-University.pdf>

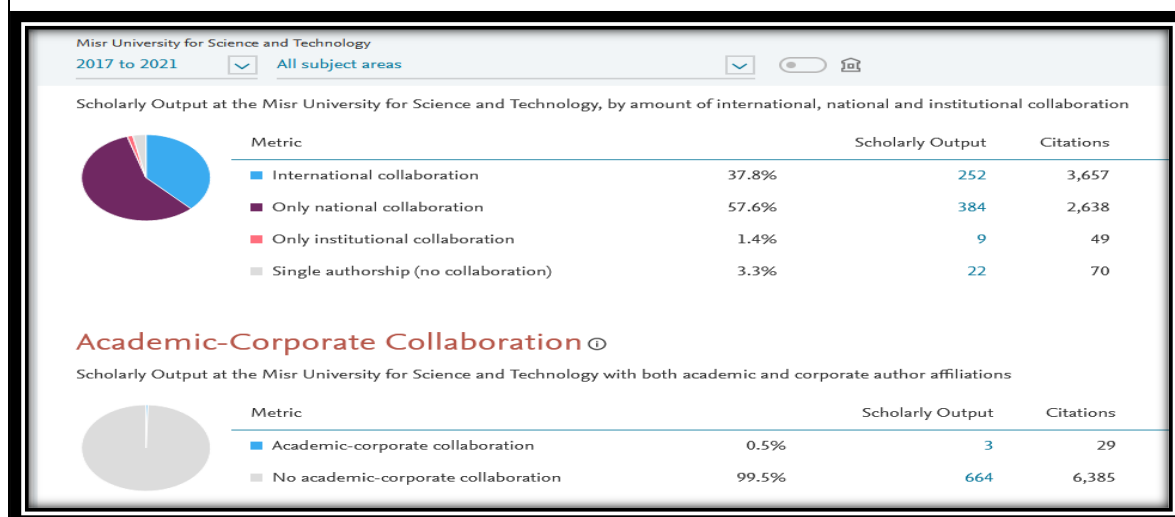


Agreement of Academic Collaboration within the Framework of German as a Foreign Language between Universitat Wien and Misr University for Science and Technology, to provide best education for its students.



Moreover, MUST has moved to interactive learning through signing partnerships protocol with highly reputable companies as [McGrawHill](#), [Elsevier](#) and [EBSCO](#) also MUST hosts a group of electronic platforms that facilitates best international practice for both the academic and administrative processes for all our students, employers and academic staff. <https://must.edu.eg/banner-gate/> Banner System, the global university system adopted by many universities to manage the data concerning university students and faculty members through the internet service.



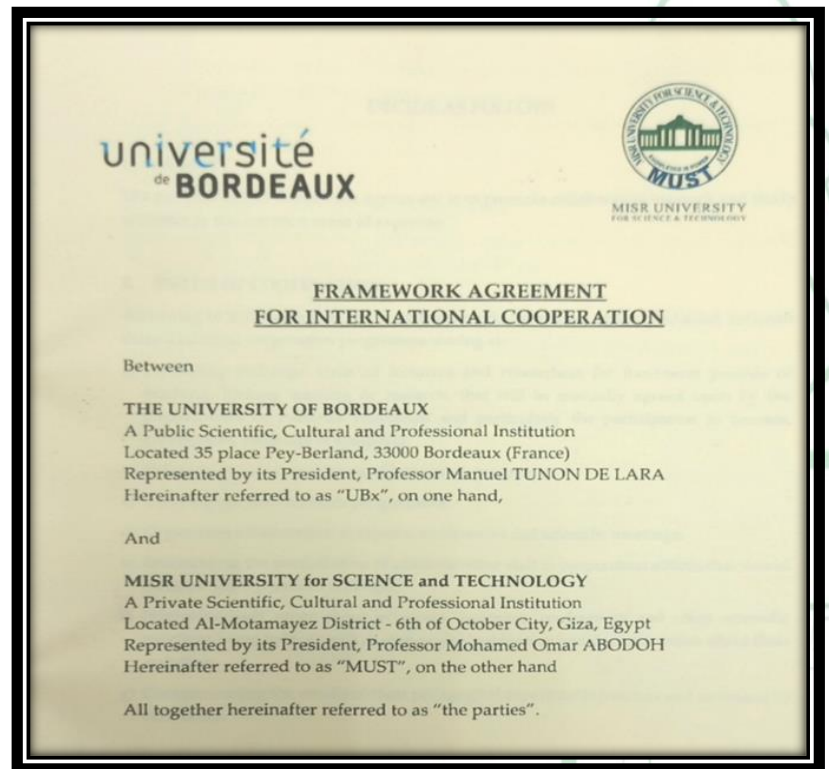




Being the first Africa University in innovation ranking is the result of Misr University for Science and Technology implementing the best practices to support international collaborative in research and Entrepreneurs.

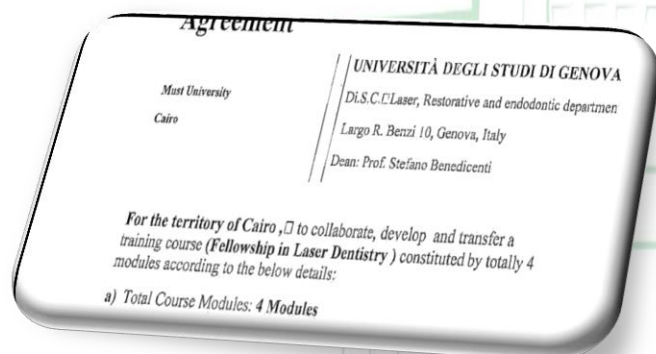
MUST College of Pharmacy, ranked 401-500 in Pharmacy & Pharmaceutical Sciences by the Global Ranking of Academic Subjects, had two international collaborations in the academic year 2020-2021 to provide the greatest research practices for its faculty and to exchange information and scholarship students between the universities. The first one is the memorandum of understanding inter-university cooperation with University of Montpellier (France). The Second Framework and Students Recruitment agreement for international cooperation with University of Bordeaux (France).

Misr University for Science and Technology signed a cooperation protocol with Aswan University the 67th sustainable university globally (401-500 World University Rankings-THE) to support fruitful cooperation between the two parties in various fields as sustainability development, research fields, exchange experiences that serve the educational system. Moreover, MUST signed a cooperation protocol with University of Benghazi, offering undergraduate and graduate programs and short diplomas in all MUST disciplines to the students of Benghazi University.





Cooperation between Misr University for Science and Technology and the Università Degli Studi Di Genova for providing professional Diploma in the Applications of Laser in Dentistry, and Dental implant.

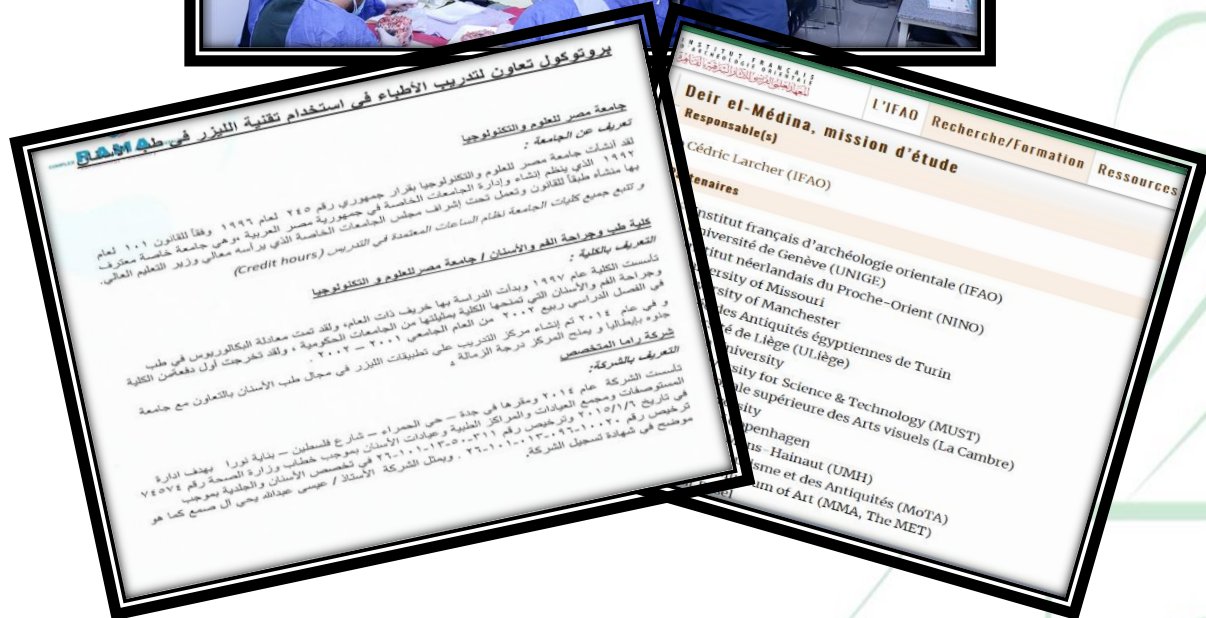




[Genova-Must Fellowships | Facebook](#)

<https://must.edu.eg/centers-and-units/dental-laser-center/>

Misir University for Science and Technology and Rama Medical Group Saudi Arabia have signed a collaboration protocol. MUST oversee teaching doctors in the use of laser technology in dentistry as part of this collaboration.





MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

Misr University for Science and Technology has collaboration with NGOs to tackle the SDGs through: Student volunteering programs, and research programs

Student volunteering programs

Misr University for Science and Technology has many independent student organizations related to sustainability.



In collaboration with Greenish-Egyptian foundation, [Greenish Club- MUST](#) is dedicated to raise the awareness of students to develop a sustainable mindset and use tools of sustainable development in their daily lifestyle and in their careers, as well. Their goals are to spread environmental awareness through educational content and awareness campaigns by providing TOT's about sustainability, Integrating entrepreneurship with sustainable development.



Greenish Club Misr
University for Science
and Technology.





"Enactus MUST is a student organization dedicated to create a better world while developing the next generation of entrepreneurial leaders and social innovators. The Enactus network of global business, academic and student leaders are unified by a vision to create a better, more sustainable world.

Enactus uses the power of entrepreneurial action to improve the quality of life and standard of living for people in need. They provide a space for university students to collaborate with business and academic leaders in the development of entrepreneurial-based projects that empower people to transform opportunities into real, sustainable progress for themselves and their communities."



EPSF- MUST is a leading health & sustainable student organization that gives the pharmacist and pharmacy students what they need and help them to give what is needed from them.





One of their objectives is to keep the community environmentally friendly and to assist many villages in achieving their initiative (100 healthy villages) by 2030, in accordance with the Vision of Egypt 2030, by providing basic necessities [such as food, educational materials,](#) and clothing. They participated in many other initiatives like Blood donation campaign which is done twice a year as a support of regular donor concept, Women's Campaign to ensure that every woman is aware of her health rights and how to deal with the diseases she is exposed to at all phases of her life, as well as the social challenges she suffers due to illiteracy and society's environment, which affects her physical and emotional health.



Blood Bank Collaboration with EPSF- MUST

Campaign Highlights:

<https://www.facebook.com/media/set/?set=a.3036556016615604&type=3>

<https://www.facebook.com/media/set/?set=a.3037272786543927&type=3>

<https://www.facebook.com/media/set/?set=a.3054910588113480&type=3>



Egyptian Pharmaceutical Students' Federation at MUST
Full member in Egyptian Pharmaceutical Students' Federation (EPSF)
Best Third Performance Association in EPSF in 2017/2019
Awarded as "Circle of Excellence" for the best 5 associations in 2019/2021



EPSF-MUST Women Campaign

<https://www.facebook.com/media/set/?set=a.3126972850907253&type=3>

"MUST Medical Student Association (MMSA) based at Misr University For Science and Technology is a non-profit organization run by volunteer Medical Students. MMSA plays an active role in the community via their awareness campaigns. MMSA helps and guides the less fortunate portions of our society and teach students how to have an active role and to participate in Humanitarian Projects.

<http://mmsa-eg.com/>

<https://www.facebook.com/MMSAeg/>







Research Programs

During the academic year 2020-2021, two of our student organizations Enactus- MUST and Greenish Club-MUST- participated in many Sustainability projects. In light of Medhat Benzoher Competition for the projects that was held and supervised by Greenish, the cloud-fisher project of Greenish Club-MUST was one of the final winning teams and received the financial award supported by Banque Du Caire and Embassy of Switzerland.

Cloud-Fisher Project

In the light of Medhat Benzoher Competition for the projects held and supervised by Greenish, the cloud-fisher project made it as one of the final winning teams and received the financial award supported by Banque Du Caire and Embassy of Switzerland. The project team consists of 4 students of different academic backgrounds. The students were so concerned and interested in water conservation projects since water security is a matter of real concern in the whole globe, generally and in Africa, specially. They were inspired by the global and national movement towards water conservation through technology which led them to adopting their project idea based on a technology developed by volunteer engineer Peter Trautwein from the german water foundation. Our vision for this project was to adopt such technology in Egypt, as well. Considering Egypt's past struggles with water conservation. Our team was hoping to try such technology in Egypt's farming lands and coastal areas where droughts and humidity are usually high.



<https://greenfue.com/%d8%aa%d9%88%d9%81%d9%8a%d8%b1-%d9%85%d9%86-60-%d8%a5%d9%84%d9%89-600-%d9%84%d8%aa%d8%b1-%d9%8a%d9%88%d9%85%d9%8a%d9%8b%d8%a7-%d9%87%d9%84-%d9%8a%d9%85%d9%83%d9%86%d9%86%d8%a7-%d8%ac%d9%85%d8%b9/>



MISR UNIVERSITY
FOR SCIENCE & TECHNOLOGY

Moringa project

Misr University for Science & Technology

an agricultural project that helps the farmers to improve their land quality and use new technology in farming through using new types of crops

Phase: **Impact** 8

Panicum Project

Misr University for Science & Technology

an agricultural project that is alternative to clover , what is known about clover that it is so expensive to farmers to buy and doesn't contain much protein as Panicum so it is so better for cattle

Phase: **Impact** 8 15 11

plastECO

Misr University for Science & Technology

An Eco-friendly project that aims to solve the plastic problem in oceans

Phase: **Implementation** 6 14 13

FISHY

Misr University for Science & Technology

A project aims to help the life under water

Phase: **Implementation** 6 14 11

INHALING LIFE

Misr University for Science & Technology

Covid-19 wide-spreading challenges us through shortage of ventilators and lack of simpler alternatives causing limited capacity for ER patients; as the number of those who tested positive for the virus exceeded 2500 active cases. So, we accepted the challenge to innovate a simpler alternative

Phase: **Implementation** 3

CareBites

Misr University for Science & Technology

Our oceans are basically the reason why we are able to breathe and survive, we overflow them with wastes; These wastes are mostly plastic. Plastic wastes kill the reefs and threatens marine life. We provide solution to reduce plastic wastes that cannot be recycled due to the high energy demand.

Phase: **Insights** 6 17 14 9

CollaFeet

Misr University for Science & Technology

Infants and young children are the most vulnerable to malnutrition, sadly this problem is exacerbated in Egypt's poor countryside villages. Our project aims to tackle this problem by providing cheap and eco-friendly nutrition supplements.

Phase: **Insights** 11 3 2 12

CeliuWaste

Misr University for Science & Technology

Agricultural waste is a huge problem threatening Egypt, and burning these wastes threatens the whole globe, so our project attempts to solve this problem by turning these wastes into durable materials which can then be sold by farmers to increase their income.

Phase: **Insights** 8 3 13 11

orgastic

Misr University for Science & Technology

Using natural raw materials we Enactus MUST shall introduce you to our bioplastic products which are 100% safe, organic, biodegradable, and convenient.

Phase: **Impact** 13 3 14

https://plus.enactus.org/s/account/0017000001J3jTmAAJ/misr-university-for-science-technology?language=en_US



EDUCATION FOR THE SDGS

Misr University for Science and Technology (MUST) is totally committed to provide the next generation with teaching to adopt sustainability in their life. This responsibility was shared between the university, faculty staff and the independent student organizations. MUST provide the staff and students with multiple platforms to promote paperless systems and reduce paper in the workplace daily. To decrease the use of plastic bags inside the campus, signs that say, "No plastic bags allowed" were distributed all over the campus. Waste recycling is available for all types of recyclables (plastic, glass, food, and cans) and to be placed in the relevant container, simplifying the user's life. MUST is concentrating on integrating environmental and sustainability education within the university's teaching and learning process. The university offered 14% sustainability courses of all available courses during the academic years 2020–2022. The subject field of medicine and clinical health had the highest proportion of sustainability courses (22%), STEM had the next-highest (16%), and art and humanities had the lowest (9%) rate. In addition to the dedicated sustainability courses distributed among the 14 colleges of the university, the university offers a master's degree in Environmental and Agricultural Biotechnology



No Plastic Allowed



Food Waste Initiative

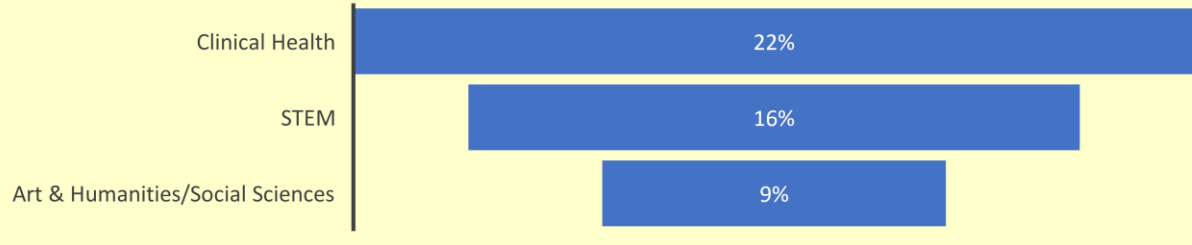


Example of University Waste Program



Save Light Initiative

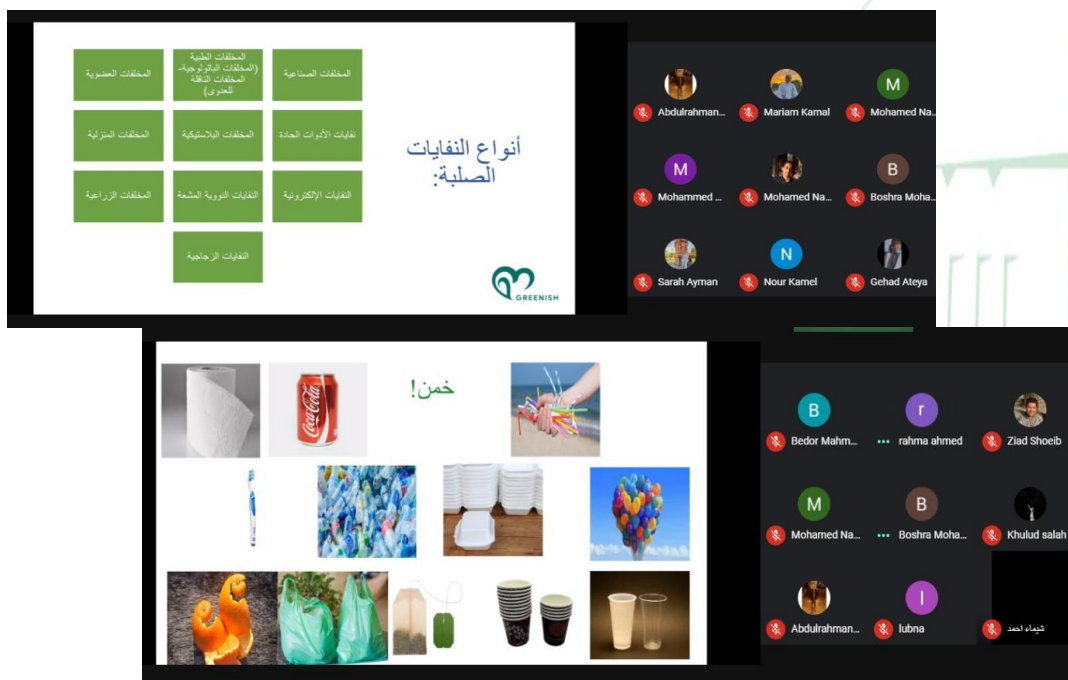
Percentage of the Sustainability Courses/ Total Courses



<https://must.edu.eg/degrees-awarded/>

<https://must.edu.eg/biotechnology-postgraduate-studies/>

In addition to the academic sustainable courses, greenish club- MUST provide our student and the local community with environmental awareness through educational contents and awareness campaigns about the environmental issues facing Egyptian community.



TOT: Different waste disposal methods

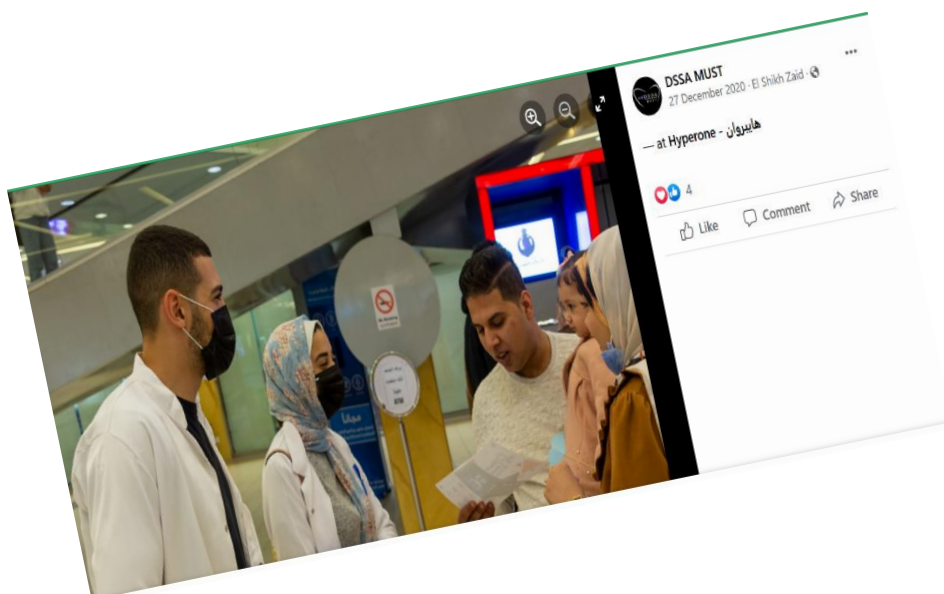


TOT session: Waste management plan



Many outreaches educational activities for wider communities were provided during the academic year 2020-2021.

Mouth Cancer Action 2020 was an educational outreach done by DSSA- MUST, a dental student organization. Hyper One and Green Park at 6th of October City hosted the awareness “Take care of yourself, keep your mouth healthy”. The educational outreaches were about oral and pharyngeal cancer its seriousness, symptoms and risk factors and how to diagnose oral cancer, in addition to raising awareness against the second wave of COVID19 that was spreading, and the most important precautionary measures to avoid it.



<https://www.facebook.com/media/set/?vanity=dssamust&set=a.1767060890126121>

EPSF- MUST provide the public's an awareness regarding the true job of a community pharmacist and provide pharmacy students with the pharmaceutical knowledge in community pharmacy career, in addition to the implementing patient counselling and its importance.



Community Pharmacy Awareness, Villages awareness, Public Spot awareness, campus awareness.

<https://www.facebook.com/media/set/?set=a.3059968634274342&type=3>

<https://www.facebook.com/media/set/?set=a.3068204990117373&type=3>

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