

SDG1 (No Poverty)

Metrics and indicators

1.4 Community anti-poverty programmes

1.4.2. Local start-up financial assistance Year: 2021

Misr University for Science and Technology support innovative ideas and convert them to small business incubator such as

- **Mobile Hospitals**

MUST University owns three mobile hospitals. Over 100 million pounds have been set aside to fund 30 medical convoys that serve the Egyptian people. Furthermore, the hospital provides complete free healthcare to residents of 6 October city and surrounding provinces in Egypt, where a well-equipped adjunct hospital is located to serve the area.

- **COVID-19 Isolation Hospital**

MUST University, an institution that believes in its communal role, provided its surrounding environment with a fully equipped isolation hospital (19400m²) during the corona pandemic, serving the neighbouring community and reinforcing its ongoing role in renewable sustainability.

- Green areas with an area of 5000 square meters.

- Parking areas.

- 3 main gates and a special entrance for emergencies.

- The building is equipped with internal and external surveillance cameras.

- The building is equipped with a civil protection system for the roundabout.

- Generators in case of emergencies and power outages.

- The building consists of an earthen floor and four repeated floors.

Contents of Earthen Floor: gas station, Pharmacy, Sampling room, Reception and Information, Desk, Analysis lab, Drug store, Hospital Management, Financial Department, Emergency (15 beds), Laundry, Anchored Motion Batteries, and 2 service stairs – 2 elevators.

Contents of the First Floor: Nursing room, Engineering Department, Patient Wards (14 double/triple rooms with private toilets), Changing rooms, medical services, Drug store, Vertical Motion Batteries and 2 service stairs – 2 elevators

Contents of the Second & Third Floors: Medical Services (4 service rooms with private toilets), Patient Wards (14 double/ triple rooms with private toilets), Vertical Motion Batteries and 2 service stairs – 2 elevators.

Contents of the fourth floor: 6 Doctors' accommodation rooms (2 beds/room), 2 Service, Accommodation Rooms (5 beds/room), Vertical Motion Batteries, (2 service stairs – 2 movement elevators) and 3 nursing accommodation rooms (4 arbs per room)

- **Student experimental factory**

Student experimental factory (SEF-MUST) is a private unique profit entity whose benefit is oriented to research improvement and community services, which branched from Misr University of Science and Technology's industrial pharmacy department. Furthermore, SEF-MUST University believe in the broad vision of "we rise by lifting others. SEF-MUST is moving forward to provide more facilities and services not only to MUST students, but also to all undergraduate and postgraduate students, researchers in various fields, and pharmaceutical companies.

Aside from professional training and research, SEF-MUST began to play an important role in community service and environmental development. As a result, SEF-MUST was dedicated to serving the internal environment of the university with continuous production of sanitizer gel at a rate of about 1 tonne per day during the COVID-19 pandemic. Furthermore, SEF-MUST will launch a campaign titled "Take advantage of your home pharmacy" with the goal of utilising and redistributing all available authorised medication granted as charity to poor medical centres. SEF-MUST also hosted and organised numerous workshops for a variety of industrial companies (towards zero waste, and packaging process maintaining green environments). SEF-MUST, on the other hand, began production of pharmaceutical products such as (lip balm and body butter, hand wash, sanitizer gel, cleaning surface gel, mouth wash...etc.) at a low cost.

- **Smart Vending Machine**

The (Smart Refrigerator for Selling Fresh Vegetables and Fruits) project aims to Use of artificial intelligence techniques in:

1. Facilitating the process of buying and selling fresh vegetables and fruits using a smart machine.
2. Reducing the interference of the human factor to limit the spread of the Corona virus (Covid-19).
3. Provide statistics for products, machines, and users to be used in processing them to improve the user experience.
4. Rationalizing consumer behaviour of citizens.

The project (smart refrigerator for selling fresh vegetables and fruits) targets the following Beneficiary Parties: -

- a. Airports, Train stations, Hypermarket, Schools, Universities, Hotels, Moles, and The New Administrative Capital (Military Entity Project).
- Sterilization robot, to sterilize buildings against Covid19





- <https://eib.eg/innovation/smart-vending-machine/>
- <https://akhbarak.net/news/2021/05/31/23571737/articles/42114613/%D8%B7%D9%84%D8%A7%D8%A8-%D8%AC%D8%A7%D9%85%D8%B9%D8%A9-%D9%85%D8%B5%D8%B1-%D9%8A%D8%A8%D8%AA%D9%83%D8%B1%D9%88%D9%86-%D8%AB%D9%84%D8%A7%D8%AC%D8%A9-%D8%B0%D9%83%D9%8A%D8%A9-%D8%AA%D8%AD%D8%AA-%D8%A5%D8%B4%D8%B1%D8%A7%D9%81>
- <https://www.facebook.com/SEFMUST/>
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