



Faculty of Engineering

**1183**

## **Final Course Project**

**Project name**

**Corona covid-19 situation in Egypt**

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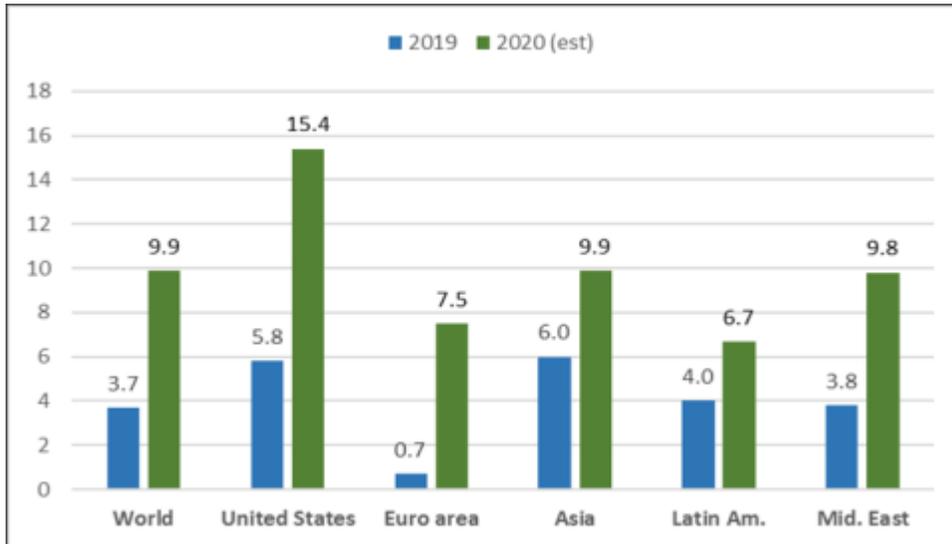
Spring 2019-2020

**Introduction**

About three months after the start of the Corona virus, we find the following affected aspects:

- ✚ Economy
- ✚ Tourism
- ✚ Socially
- ✚ Education
- ✚ Health
- ✚ Environment

✚ Economy



As a result of the global economy being affected negatively by most of the world due to the Corona virus, the side effects on the Egyptian economy are as follows:

**a-Low foreign currency reserves**

Egypt lost about 13 billion dollars due to the following:

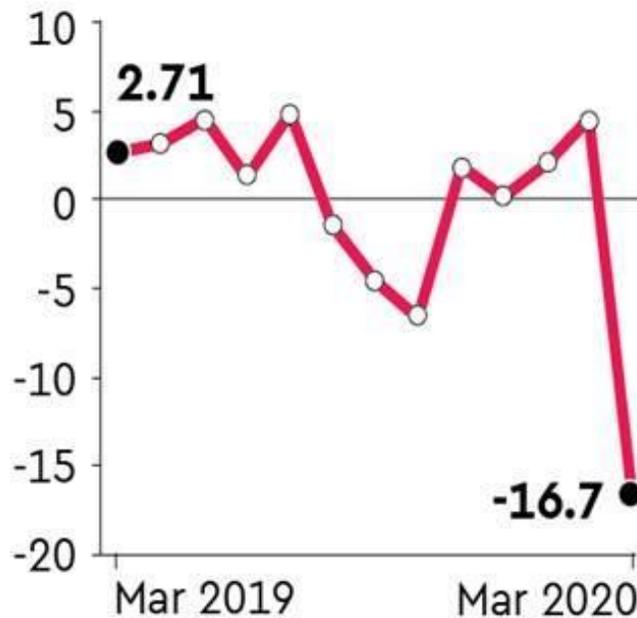
1 - The state directs these sums to fight the virus collectively

2- As a result of the decrease in the global economic situation, the dollar resources of Egypt have decreased (reduced exports - lower Egyptian transfers - lower exports, investment and tourism - and the movement in the Suez Canal)

**B- Decreased economic activity, business and exports in the private sector, as a result of the precautionary measures taken by the government to combat the Corona virus crisis.**

## Industrial production

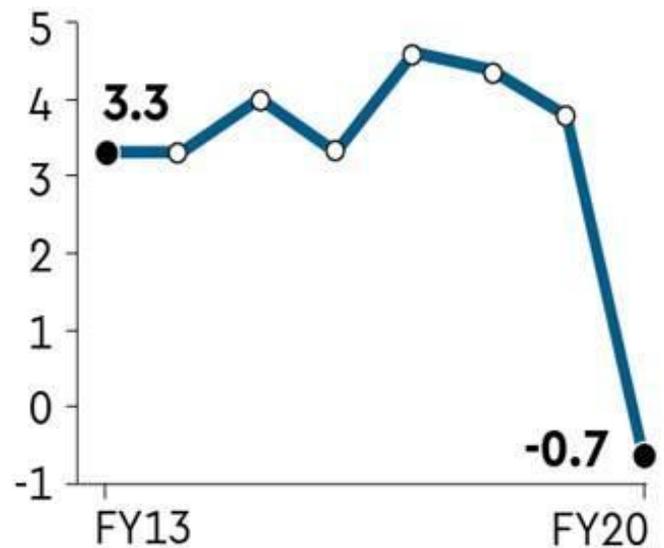
Growth (% , y-o-y) – Monthly



Source: MOSPI

## Annual industrial production

Growth (% , y-o-y)



## Tourism

The direct result of the global spread of the Corona epidemic is the closure of airports, the stopping of air traffic and the precautionary measures taken by the government regarding the closure of tourist facilities (hotels - restaurants ... etc), which led necessarily to a decrease in tourism activity all over the world and of course Egypt was one of the countries most affected to stop the activity Tourist for these reasons

The government has taken the Marsa Alam region to use as a quarantine area as a result of the availability of necessary and necessary resistances

## Socially

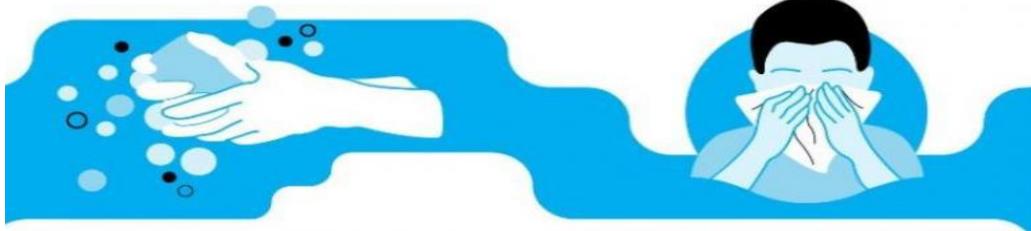
Among the most important effects of the spread of the Corona epidemic because of its rapid spread, work required to change the societal culture by adopting measures that work to protect the individual and society, such as social divergence, taking the necessary measures for sterilization and protection for the individual and society, and taking preventive measures such as the use of masks and gloves that are maintained on personal hygiene, washing hands on a continuous basis, and sterilizing them with antiseptics As shown in the attached pictures are examples of the procedures that must be followed



# Protect yourself and loved ones from coronavirus.

**Wash** your hands regularly with **soap** and **water**.

**Cover** your mouth and nose while **sneezing** or **coughing**.



**Avoid close contact** with anyone who has a cold or flu-like symptoms.

If you have fever, cough and difficulty breathing, **seek medical care early**.



## COVID-19

### How can people protect themselves?



Wash hands thoroughly with soap



Cover your face when coughing and sneezing



Face masks optional - scientists doubt their effectiveness

## Education

The educational system in Egypt contains approximately 22 million male and female students in various stages of education. Therefore, the emergence of the Corona virus was a difficult challenge to combat its spread among male and female students. Therefore, thinking about the so-called distance education was what it means about the teaching process in which students are not physically present in the educational institution (school, university, etc.), it is the system that is characterized by flexibility and control in delivering the educational message without the risk of being in the same place, which requires extensive use of the Internet, and the educational community has provided the means required for the success of the distance education currency from electronic devices (laptops). - iPad) as well as the internet speed required to successfully complete the educational process

This has had a successful impact in bringing the educational process to safety

Distance education was not limited to teaching only, it also extended to the calendar and made the evaluation electronically

**This led to the success of the academic year and the loss of an academic year for students and applications**



## **Health**

**Since the discovery of the first case in Egypt, Egypt, as a result of the seriousness of the virus, has begun to take recommendations and measures to prevent and protect from this dangerous disease, and among these measures the government has taken to preserve the lives of citizens**

- 1- To stop flying traffic to and from all over the world**
- 2- Imposing a curfew in the country at night, in order to implement the social spacing program, including stopping all public and private mass transportation and the movement of individuals in the streets**
- 3- Closing tourist facilities, entertainment and shopping centers**
- 4- Suspending studies in schools and universities**
- 5- Reducing the number of workers in government departments and state-owned companies**

**Among the efforts of the country are extensive and extensive advertising campaigns to educate citizens about the dangers of the virus, how to prevent it and ways to protect against the spread of infection**

**The Ministry of Health has also taken the necessary measures towards the injured and called them into the hospitals of medical isolation, and performed the necessary medical analyzes and procedures to treat patients and cases in contact with patients, and has developed in cooperation with the World Health Organization the treatment protocol**

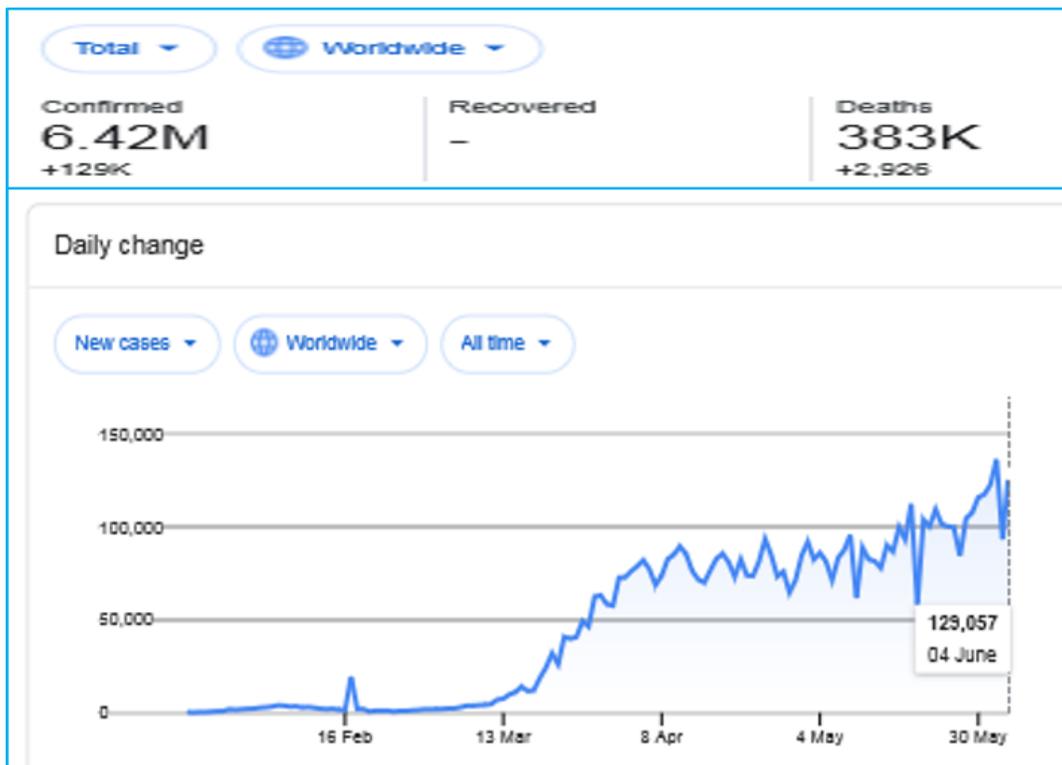
# تطور المرض في مصر

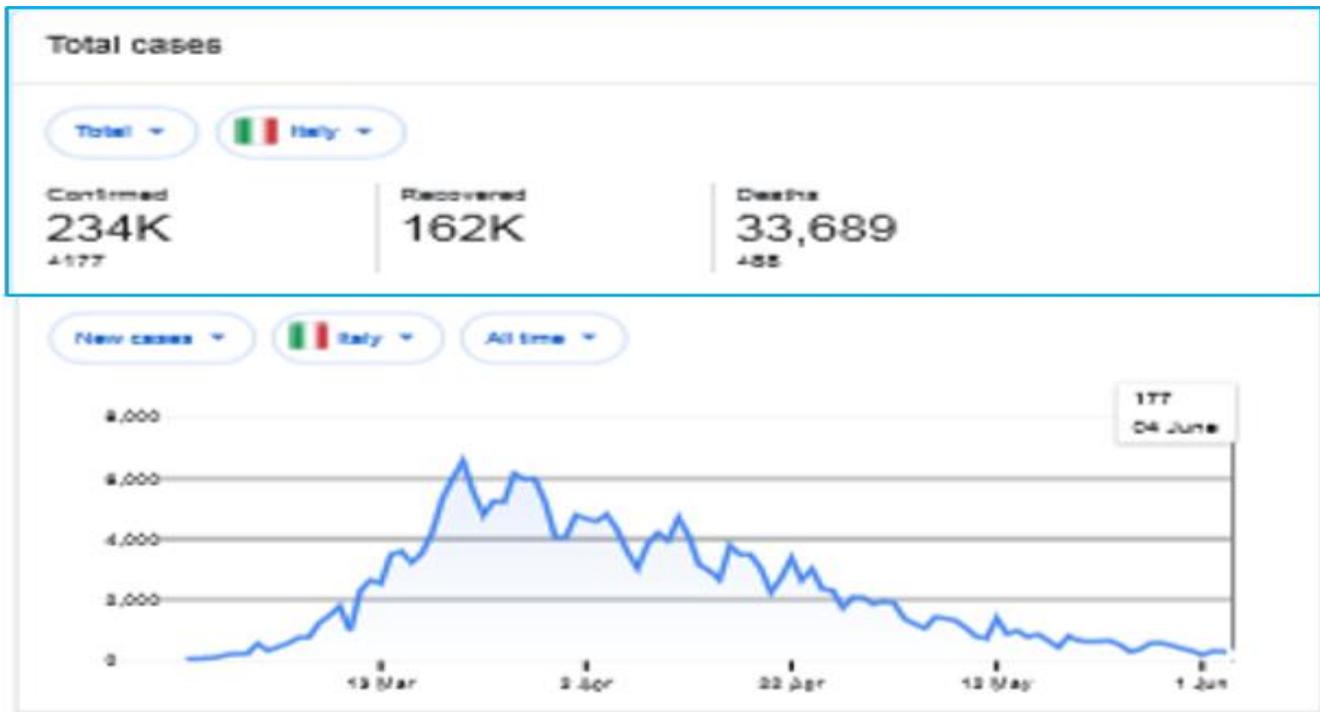
الوفيات المتعافون حالات نشطة

فبراير مارس أبريل مايو **آخر 15 يوم**

# الحالات	التاريخ
(5.5%+) 14,229	20 مايو 2020
(5.4%+) 15,003	21 مايو 2020
(5.2%+) 15,786	22 مايو 2020
(4.6%+) 16,513	23 مايو 2020
(4.6%+) 17,265	24 مايو 2020
(4.1%+) 17,967	25 مايو 2020
(4.4%+) 18,756	26 مايو 2020
(4.9%+) 19,666	27 مايو 2020
(5.7%+) 20,793	28 مايو 2020
(6.2%+) 22,082	29 مايو 2020
(6.2%+) 23,449	30 مايو 2020
(6.6%+) 24,985	31 مايو 2020
(5.6%+) 26,384	1 يونيو 2020
(4.4%+) 27,536	2 يونيو 2020
(3.9%+) 28,615	3 يونيو 2020

مصادر: مصادر إخبارية مختلفة ومواقع وزارة الصحة.





## Environment

Despite the negative impact of the Coronavirus, on the other hand, it had a positive effect on the decrease of pollutants in the atmosphere for the following reasons:

- 1- Lack of gaseous exhaust emissions from planes to stop the movement of global aviation
- 2- The result of the precautionary measures, which include domestic isolation and remote work, and led to a decrease in the gas pollutants resulting from the transportation means
- 3- As a result of the sharp decline in the industries, the greenhouse gas emissions from the factories have decreased significantly

All this led to a decrease in pollutants in the atmosphere

**Pictures monitored by European space agencies and NASA showed a 70% decrease in pollution compared to the same period before the epidemic appeared**

**It is known that the low pollution rate in the environment positively affects the recovery of the weight layer and leads to the contraction of the weight hole**

- **Sources**

**Central Bank of Egypt data**

**Presidency of the Council of Ministers**

**World Health Organization**

**The Egyptian Ministry of Health**

**BBC**