

Young innovators give Syria's fight against COVID-19 a much-needed Jump Start

More than nine years of conflict in Syria has had a disastrous effect on the country's economy and devastated its healthcare system. A pandemic of the scale of COVID-19 threatens to intensify pre-existing fragilities in an already-vulnerable economy that has experienced market collapse, rampant inflation and currency depreciation, in addition to the impact of sanctions imposed on the country.

Young Syrians were fast to join the fight in support of the country's response to the pandemic putting their technical and entrepreneurial skills to work.

ECG: Electrocardiography

High accuracy electrocardiography linked to a mobile application to show the results. It is for home use which will facilitate the regular tests for the chronic heart problems single handedly with the possibility to send the result to the doctor through internet channels.



Portable Electrostatic Aerosol Applicator

This tool provides high accuracy electrocardiography linked to a mobile application to show the results. It is for home use which will facilitate the regular tests for the chronic heart problems with the possibility to send the results to the doctor through internet channels.



Food Delivery Robot

Using artificial Intelligence, machine learning, robotics, and Bluetooth communications technologies, a robot for food delivery has been developed to be used within the quarantine centers as a tool playing a vital role in the battle to contain the deadly new coronavirus. The robots will perform tasks which would expose humans to the risk of infection and spreading the disease.



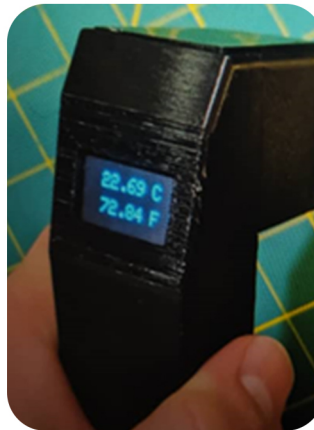
Disinfection tunnel for public entities entrance

A portable and foldable disinfection tunnel with motion activated sprayers that can be used for individuals at the entrance of the public spaces.

Digital portable temperature sensor

Using a digital technology and an infrared system, a portable temperature sensor has been developed for measuring temperature distantly using the open-source programming code with the following features:

- Operating Temperature: 40~ 0 Degree
- Response time: 500 mSec
- %95 response, accuracy: 0.1Degree C /0.1Degree F



Auto-touchless hand sanitizer

Automatic disinfectant dispensers are developed with motion activated compressors and can be placed on any containers



Multiple use Masks

A multi-use masks with replaceable filters manufactured with the 3D printing technology.



Face Masks Disinfection Device

Using dry heat and a UV light bulb to disinfect face masks, a small size face masks disinfection device has been prototyped to be used in the medical facilities.



Face shield (Anti-COVID19)

Using 3D printing technology, a face shield mask protecting the face from the sneezing drizzles through cleaning and sanitizing it smoothly unlikely fabric masks.





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