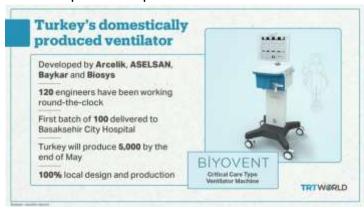# TURKEY

1. Domestically Produced Ventilators

To overcome the shortage of ventilators, Turkey roped in various private and public sectors and domestic brands like Arcelik, ASELSAN, Baykar, and Biosys, started to produce ventilators at an impressive speed.

The project has been initiated by the Ministry of Industry and Technology and carried out under the leadership of the Ministry of Health.

Ref: https://www.trtworld.com/turkey/why-turkey-stands-out-in-its-fight-against-the-coronavirus-pandemic-35625

2. Mobile application to support the country's efforts to curb the spread of the novel coronavirus

Young Turkish entrepreneurs have developed a mobile application to support the country's efforts to curb the spread of the novel coronavirus. A group of 16 technology enthusiasts developed the "Corowarner" app which allows community-driven contact tracing.The Corowarner app alerts you instantly and anonymously if you had close contact with an individual in a market, pharmacy or bus who tested positive for the virus.

The app will provide advice based on the degree of proximity to the positive-tested individual by using an artificial intelligence-based algorithm.

Ref: https://www.aa.com.tr/en/latest-on-coronavirus-outbreak/turkey-to-use-contact-tracing-app-to-detect-coronavirus/1804425

3. Vaccine development

Scientists in western Turkey have begun lab tests of an antigen they designed as a vaccine against the novel coronavirus. The research work is being conducted jointly by the Drug Development and Pharmacokinetic Research Application Center (ARGEFAR) at Izmir's Ege University and the Scientific and Technological Research Council of Turkey (TÜBİTAK). A total of 32 scientists specializing in different branches came together to conduct the studies. The Turkish team planned to determine the effectiveness of the DNA vaccine they created and apply them to an animal model within four months, and hope to begin human clinical trials as soon as possible.

Ref: https://www.dailysabah.com/turkey/turkey-completes-1st-phase-of-covid-19-vaccine-efforts/news

4. Innovation and Entrepreneurship

i. Remote health care

The Turkish startup ecosystem has acted by initiating the Coronathon Turkey Initiative with the mission of seeking creative solutions to the problems caused by the virus. Twelve projects were deemed worthy of awards from Coronathon Turkey, which was organized in collaboration with Turkey's leading entrepreneurs, universities, nongovernmental organizations, ministries and private companies with the mission of creating solutions for the problems caused by the coronavirus outbreak.

Accordingly, 12 projects were selected for prizes with the main prize being awarded to *Medibook*, a telehealth startup that provides health care services with video and remote monitoring modules. Other awarded projects included several employing AI for various applications related to warning, detection, resource identification and coping with the challenges and stress created by the pandemic and its quarantine.

ii. Visors for health care workers with 3D printing

A visor has been produced in the 3D printer for health care workers. The local 3D printer manufacturer Zaxe3D and Fibilo3d companies, which provide 3D printing services, contributes to the project, which will provide additional protection to health care workers, with all their machine capacities.

Ref: https://www.dailysabah.com/business/tech/entrepreneurs-meet-online-to-find-solutions-for-coronavirus-pandemic