DETECTUS

MIND YOUR HEAT.

Excerpt:

Problem: As COVID-19 became more widespread, the logistics and public transportation sectors were adversely affected. This was because busses, trains and minibuses became a hotspot for viruses, as packed crowds accompanied with inadequate air circulation created risk for the spread of the virus.

This might be a bigger problem than it meets the eye since employed people and students who can't afford to have cars most probably use public transport as their main source of transportation will be in a major health risk while riding trains or busses. On the other hand, the majority of people who have cars but use public transport instead will prefer their cars, which will lead to the rise of CO_2 emissions and overall increase our carbon footprint. In summary, the effect of the virus in public transport arises many humanitarian problems that need to be addressed. With my solution I am hoping to make public transport a safer place and maintain the citizens health long after COVID-19 is contained.

Video:

https://youtu.be/563WxN9T7kQ

Solution:
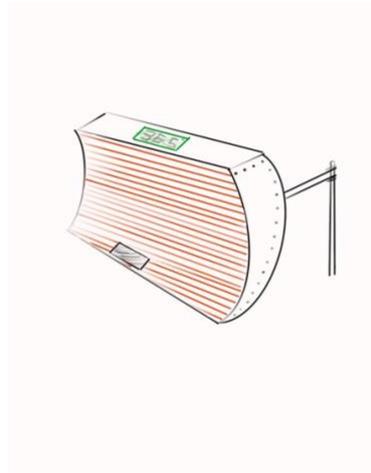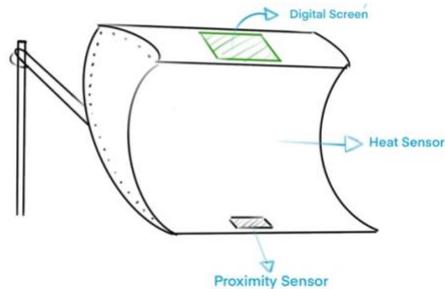
Detectus is a simple design that seamlessly measures the body temperature of a citizen while they are holding up their city cards to the reader in a bus or subway. This creates a win-win situation as the citizen acquires personalized health data while the rest of the passengers in the vehicle know that they are not under the threat of COVID-19 while using public transport. If the said value comes back too high, the driver gets warned due to the possibility of the incoming citizen being a virus carrier. This keeps the passengers safe and educates the incoming passengers about their health.

Questions:

Has this ever been done before?

The inspiration of my project actually came from restaurants in Istanbul. New governmental laws require every customers temperature to be taken before entering the premises. However, this has never been applied to public transportation and the logistics business. With this innovative project I wish to merge two different sectors and improve the lives of the citizens.

Why does this project matter to me, specifically?

This project -and especially the problem- was based on my life. I live right next to the pier and with the help of public transportation, places that you couldn't drive in one hour were at the palm of my hand. On the contrary, after the virus struck, I have been extremely anxious to leave my

house, let alone use public transport. This significant downgrade in my life quality made me take measures in this area.

How can design help to make healthy lifestyles routine, and sustainable for everyone? What design solutions could move health services towards keeping people healthy, rather than dealing with illness? How can design help reduce stress in the modern world?

In my opinion, my design doesn't require any additional activities or routines. It optimizes a simple action like pressing a card on the reader and gives the user health data about themselves. This project promotes healthiness and promises the people on the vehicle a conscious mind. They don't have to constantly think about the risk of getting infected, and how their ride might be very dangerous, etc. which would drastically affect the stress levels.

Are there ways design can help to make it easier and more efficient for people to access information and knowledge about their current health? How can design help support advances in the prevention and public health agenda?

My solution provides free data about one's body temperature which would generate a larger importance around personal health and public health.

Reference:

Image 1 August 27, 2020.
Image 2 August 27, 2020.
Image 3 August 27, 2020.
Image 4 August 27, 2020.
Image 5 August 27, 2020.
Image 6 August 27, 2020.
Image 7 August 30, 2020 .
Image 8 August 30, 2020.
Image 9 August 30, 2020.
Image 10 August 30, 2020.

Gif 1 August 27, 2020.
Gif 2 August 27, 2020.
Gif 3 August 27, 2020.
Gif 4 August 27, 2020

Opening Video August 27, 2020.

Video credentials: Recorded, voiced over and put together by Can Varas, August 2020.