

Team Changemakers



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Impact of Pandemics







Travelling is the leading cause of virus. Airports are the carriers of covid strains and various infections. Railway stations are more threatening since most journeys are prolonged and heaving. Railway trains become more detrimental due to their limited hygiene and movement.

-- Pandemic Travel Times

The risks of getting COVID-19 are higher in crowded and inadequately ventilated spaces where infected people spend long periods of time together in close proximity. These environments are where the virus appears to spread by respiratory droplets or aerosols more efficiently, so taking precautions is even more important.

There have been several instances when crowds thronged places like but stops, airports, railway stations and shopping malls a day after major cities relaxed curbs on movement. "Unfortunately, citizens equate the government's response to reopening, as a victory," Dr Vishal Rao, a member of the expert committee on Karnataka's COVID task force said after such situations came up. Even after vaccination drives being conducted all over the country, people need to understand that situation could turn to worst anytime and it's even more important when we are in crowded places.







Design Process

DISCOVER

DEFINE

DESIGN

DELIVER

Problem Identification

Everyday rise in cases of crowds at places providing travel facilities could turn very dangerous in near future with 3rd wave on its verge of hitting us. People consciously or subconsciously sometimes do not follow the rules/precautions that puts them and other people around them in danger of getting infected by this deadly virus.

Problem Statement

Buying and selling of products on trains is very difficult now and has become a subject of high risk when it comes to following the norms and precautions for the covid-situation in our country.



What?

movement of vendors inside the trains while providing essential goods like tea, coffee and eatables during the travel.

Controlling the

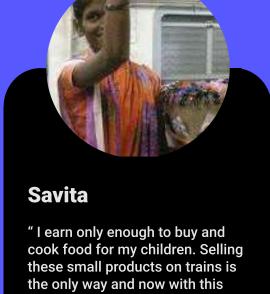
Who?

This would help the train passengers contain the spread of virus while travelling in the train. The train vendors would prevent contracting and spreading the virus, save energy and conveniently take orders from the passengers and replenish stock when needed

How?

Provide a digital solution- a mobile application- using IOT to facilitate the communication between vendors and the passengers, allow orders and choose preferences seamlessly. We could perhaps introduce a tangible medium for transporting food and beverages.

Personas

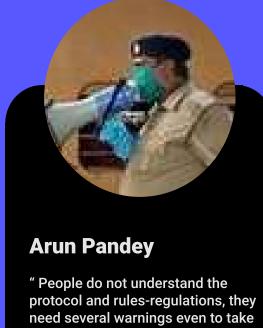


- situation people hesitate to buy." Local Vendor Female • Age: 32 · Poor family background



"These covid times has made travelling very difficult. I have to travel from Bangalore to Delhi for

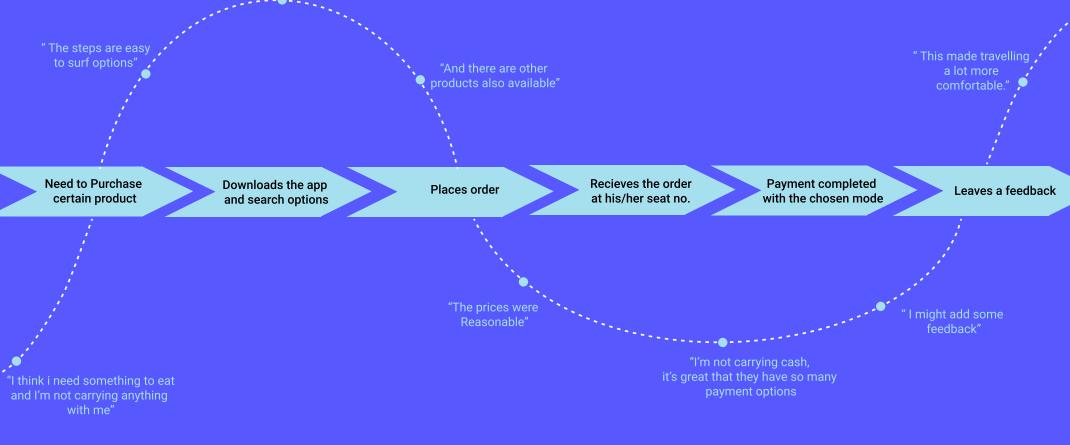
- work and it's a long journey." Passenger Male
 - Age: 56
- Employee



- care of themselves." Security and Safety manger Male • Age: 45
- Police Constable

options to choose from"

Customer Journey Mapping



Story Boarding







tinuous rounds increase risk of coming

in contact of germs and viruses, time and

energy wastage, risk of person to person

freshness of food decreases.

contact infection increases, temperature and









they even take orders prior to every meal





Cash payment method is mostly used





there are few issues with them roaming around-

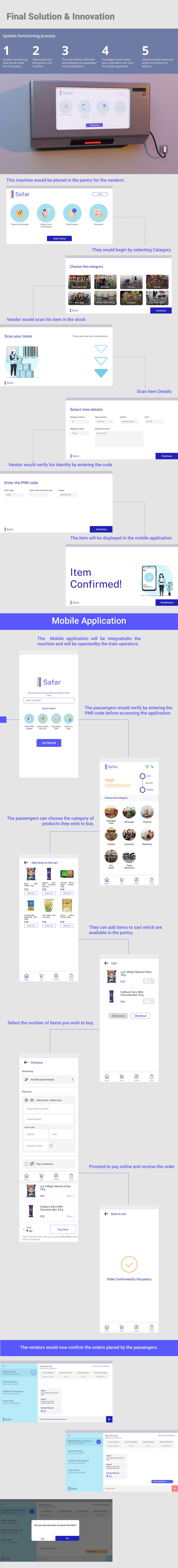
they cross each other sometimes and the space

comparitively narrow for them to walk across,

they move towards the seat areas to pass

(no distancing)





Impact on Society

Our solution would help minimise the contact points for the people travelling in trains, so that the chances of getting infected could be prevented till some extent. It would somehow increase awareness amongst them and a more systematic and disciplined way of travelling could be promoted in a situation like this. It would enhance the Quality of being responsible for themselves as well as for others, just by following the system designed to address their problem effectively.

Sustainability

As we know we were struck by the Covid 1st and 2nd wave without any warnings to prepare for it, and It's almost over a year since the first wave came into picture. Eventually people will have to travel for several reasons, be it medical reasons, personal reasons, work reasons or something like migration of workers(that happened previously, mass travel). We can't stop it, as all these condition requires travelling to resume. We instead are proposing a system that ensures safe travelling experience which is need of the hour. Lowering the infection and death rate to a point where thing come to normal is what we plan on, without disturbing the nature and planet in anyway.

How are Passengers benefited with our new Design?

- This will prevent their continuous exposure to a lot of people.
- So many options on one screen increases the demand of the product and provides variety to choose from.
- People need not be attentive/ alert all the time to see when the vendor passes, so as to place order.

How are Vendors benefited with our new Design?

- The umployment issue gets solved here with this idea as they will be allowed to provide their Product without working for hours walking on and around trains for Getting orders.
- They are the ones exposed to most number of people as they travel everywhere
 and are in close contact of people in order to fulfill their job
 - and are in close contact of people in order to fulfill their job.
- They have a source of income guaranteed.
 They are now a major part of a whole system. They have their own identity and their service is valued.
- He/she doesn't have to go through bargaining /negotiation by every passenger.

How is Railways benefited with our new Design?

- They now are just managing this system, they need not invest into raw material, preparation/ making, sourcing of the product.
- They get everything in one place, the vendors come to them and they have all the products readily available.
- They decide and add certain amount on the product that the vendor provides and keep that as their income for the service that they provide like distribution, data update and app management.
 They will be recognised for promoting these local yendors and will be credited.
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 their technical advancement, management and safety.

Added Benefits:

down worldwide.

- In this pandemic situation, a design solution like this provides and encourages the sense of standing together and supporting each other to rise above this as an even stronger community.
- an even stronger community.
 By taking precautions and following it without fail we are not only saving ourselves from this deadly situation but also contributing in drawing the graphs
- With this solution we are contantly saving time, money, manpower and lives of everyone who is part of this system and beyond.

THANK YOU