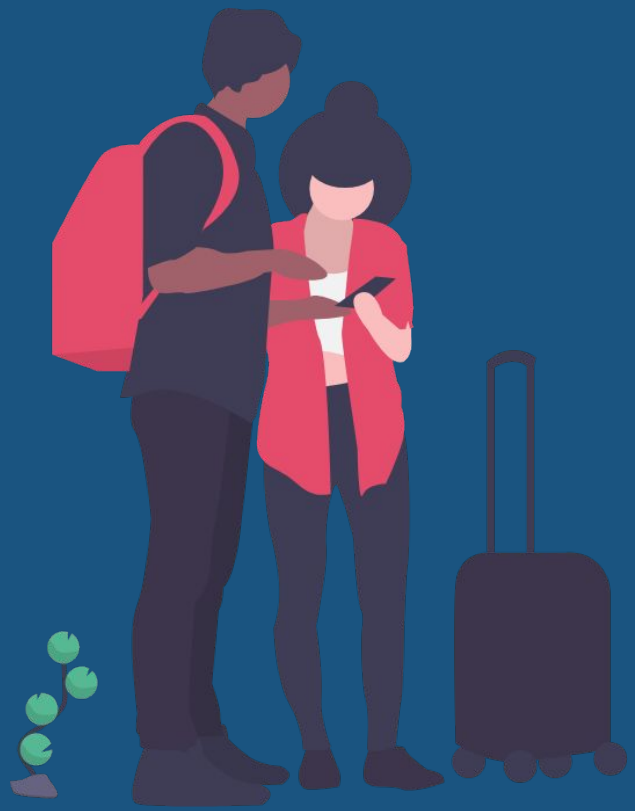
SOS-Drone

A project to deliver medical assistance to anyone who is travelling, through drones.

PROBLEM



11% OF THE WORLD'S TRAVELLERS ARE SOLO TRAVELLERS

TOURISM IS WORTH ABOUT **$1.7 tn** OF GLOBAL ECONOMY

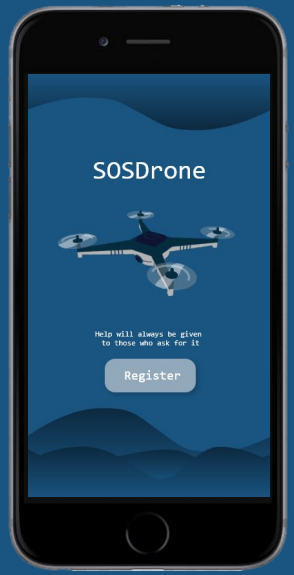
47 mn NUMBER OF PEOPLE WHO ARE HIKERS IN USA ALONE

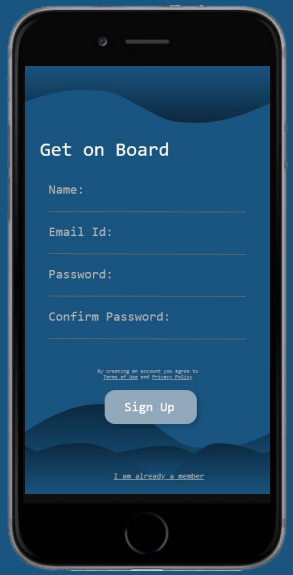
SOLUTION

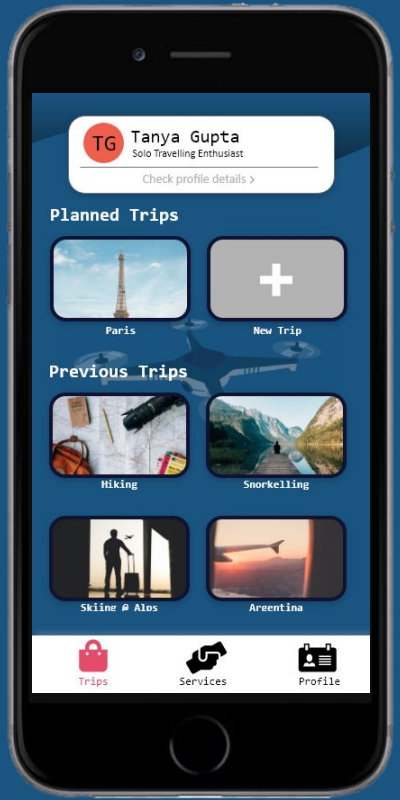
USING A DRONE TO DELIVER FIRST AID KIT AND GET IN TOUCH WITH MEDICAL ASSISTANCE USING AN APP ON THE PHONE

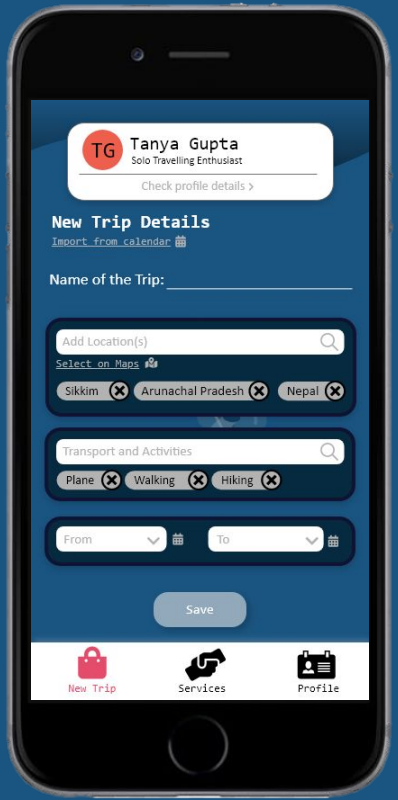
1. Drones are located in strategic areas to ensure quick access
2. More drones cover accident prone areas
3. Location tracking
4. Image processing to detect “SOS” and deliver parcel
5. Payment plan similar to health/travel insurance plans

PROTOTYPE


SOSDrone
Help will always be given to those who ask for it
Register


Get on Board
Name:
Email Id:
Password:
Confirm Password:
Sign Up
I am already a member


TG
Tanya Gupta
Solo Travelling Enthusiast
Check profile details ›
Planned Trips
Paris
New Trip
Previous Trips
Hiking
Snorkelling
Skiing @ Alps
Argentina
Trips
Services
Profile


TG
Tanya Gupta
Solo Travelling Enthusiast
Check profile details ›
New Trip Details
Import from calendar
Name of the Trip:
Add Location(s)
Select on Maps
Sikkim
Arunachal Pradesh
Nepal
Transport and Activities
Plane
Walking
Hiking
From
To
Save
New Trip
Services
Profile


Paris Trip
SOS
New Trip
Services
Profile

DRONE PACKAGE CONTENTS

A basic first aid kit containing:

1. plasters in a variety of different sizes and shapes
2. small, medium and large sterile gauze dressings
3. at least 2 sterile eye dressings
4. crêpe rolled bandages
5. safety pins
6. disposable sterile gloves
7. scissors
8. alcohol-free cleansing wipes
9. sticky tape
10. thermometer (preferably digital)
11. skin rash cream, such as hydrocortisone or calendula
12. cream or spray to relieve insect bites and stings
13. antiseptic cream
14. painkillers such as paracetamol (or infant paracetamol for children), aspirin (not to be given to children under 16), or ibuprofen
15. cough medicine
16. antihistamine cream or tablets
17. distilled water for cleaning wounds
18. eye wash and eye bath

It will also contain a first aid manual or instruction booklet with your first aid kit.

WORKING DEMO

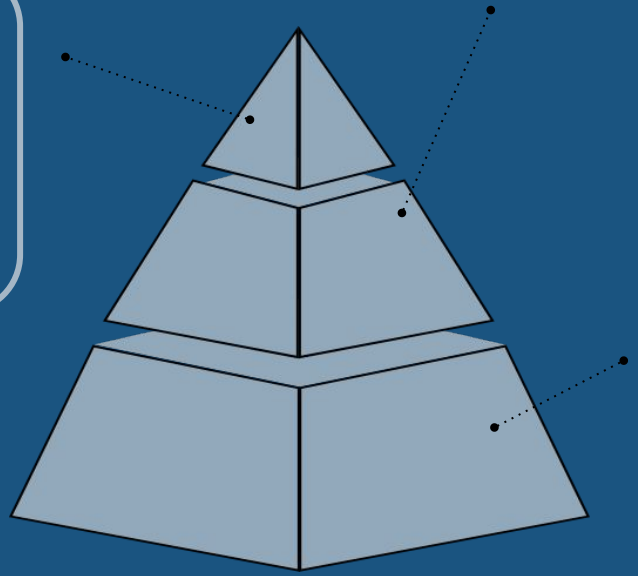
IMPLEMENTATION

Phase 1 - Incubate

1. Drone Design using 3D printing
2. Beta Trials
3. Tracks KPIs - Total Customer base, Repeat Usage,

Phase 2 - Scale Up

1. Full Functionality Deployments
2. Nationwide
3. Optimised Algorithm



3 Phase Plan

Phase 3 - Diversification

1. Available to corporations
2. Combine with Fitness Analytics
3. Key Partners : Travel influencers, Adventure sports organisers

Subscription Plan

Similar to the way health insurance works. 10-50$/trip

PROPOSED FUND ALLOCATION

Post this hackathon, we will be getting in touch with our university's faculty and getting deep into research. This will allow us to make significant progress on our technology and drone design, thus preparing us for pitching to investors and raising seed money.

~$500 - Designing our drone and 3D printing it
~$1000 - Costs of conducting experiments to improve and test our models, and increase the size of our proprietary dataset. Running optimisation algorithms to ensure resources are used as effectively as possible

We will start developing the **first ever drone-based travelling companion solution**

~$1500/month - Hiring marketing and business experts to ensure viability of business and continued growth

~$300/month - Maintaining and updating our tech stack, mobile application and drone

SOS-DRONE TEAM

TANYA GUPTA

UI/UX Designer and
Mechanical Engineer

APARAJITA PAUL

Full Stack Developer
and Electrical Engineer

If you liked our project, please feel free to contact us!