



problem



Problem 2

is it safe to give out my personal information?





Can we get the real-time data of the places we want to go?





i want to go out... but too many people

Problem 3



All of the shops has front head thermometer, why can't we add more?

TASKs

Real-time + camera + security + Best UI + ...



SOLUCION



Machine Learning and Algorithms











Computer Vision recognize individuals



Centroid Algorithms tracks movements



Counting individuals in room (Enter and Exit)



Room size for population density







Front-end UI



Maps API for location selection

Authorized Individuals



Monitoring of situation



Demo

Real-time Demo at Lecture hall 7 & Computer Science Lah

Pros cons

ADVantage

- Protection of personal privacy detection instead of recognition
- Adaptability to different venues control only the entrances
- Accessibility for all customers one filming device per gate

DISadvantage

- Inaccuracy when objects overlap calls for optimization of ML model
- Lack of contact tracing not suited for tracking covid patients



use case



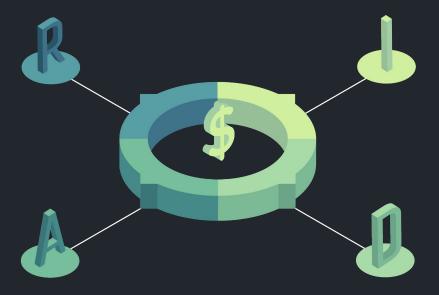


OFFICE commercial buildings, government offices...

BUSINESS MODEL

PLATFORM

- Analytics, monitoring
 - Promotion
- Cooperation with Government
- Alternative to CCTV solutions



INFRASTRUCTURE

- Devices for recording
- UI for platform
- Firebase realtime databases

user awareness

- User Awareness of Covid-19 Demand of sanitary and population
- density information of local shops.

ALGORITHM

- Training data to recognize people better.
- Different solution for different entrances.

MILESTONES

PHASE 1 - Q1 2021

design and development Incorporate with thermometer solutions

PHASE 2 - Q2 2021

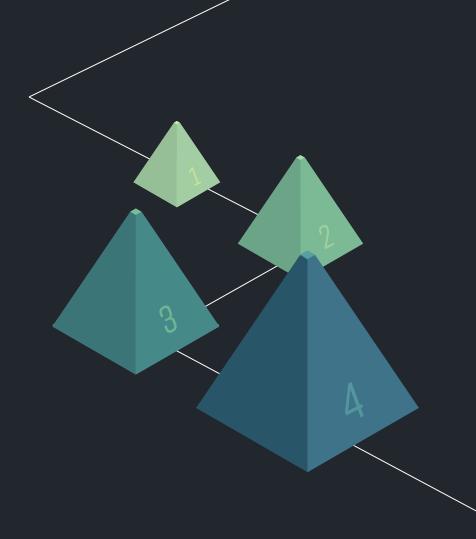
test and refactor, implement to supermarket

PHASE 3 - Q3 2021

Product optimization, implement to school, and others indoor area

PHASE 4 - 04 2021

Mass Production, implement to most of the areas in Hong Kong



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