

DESIGN THINKING

INTERNET OF THINGS

Presented By Group 10

Meet The Group



Chau Ying Jia

Group Member



Gui Kah Sin

Group Member



Sabrina Heng Wei Qi

Group Leader



Poh Lok Yee

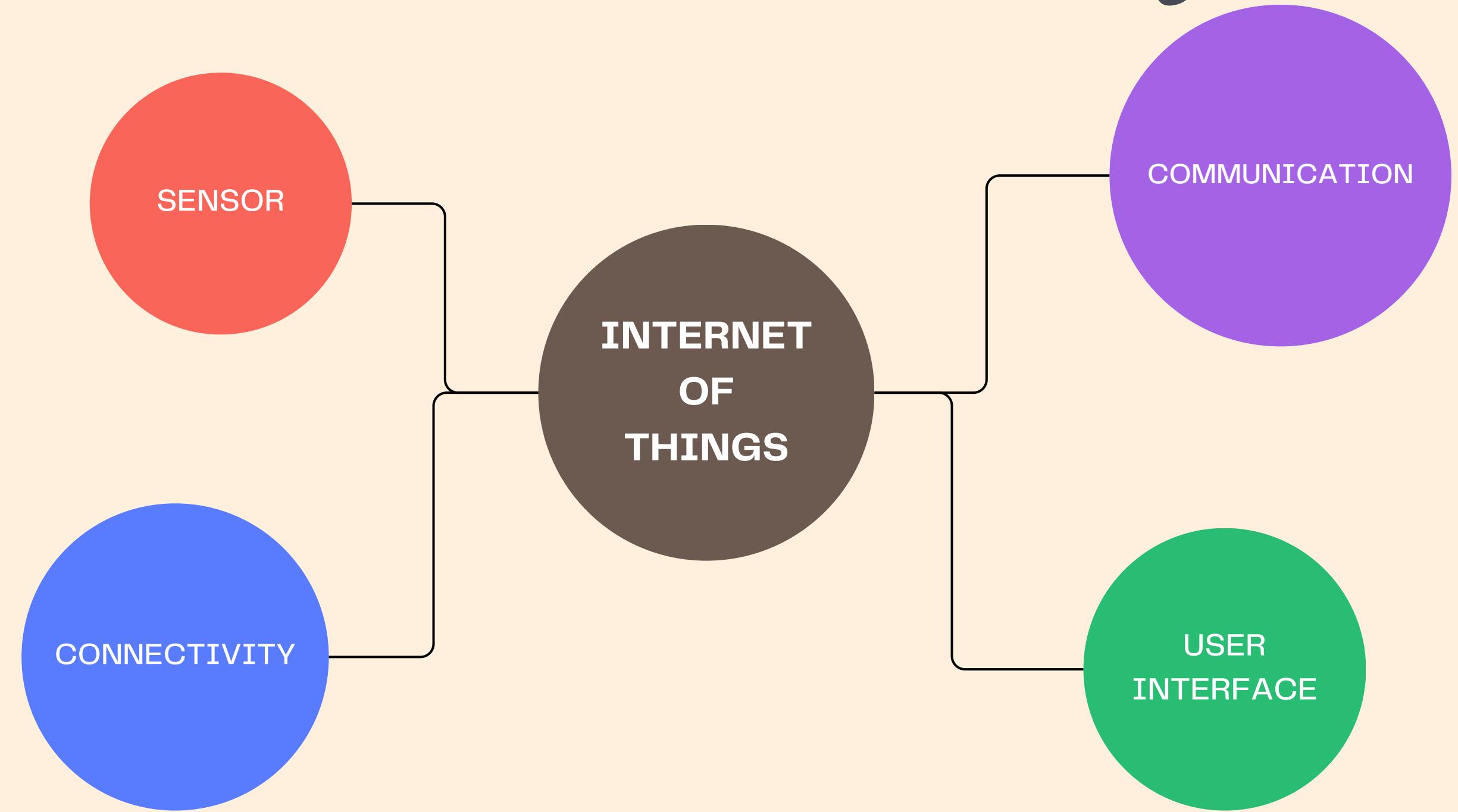
Group Member



Woo Cheng Shuan

Group Member

Internet of Things



Intro

'AttendEase'

Our team developed 'AttendEase', an IoT-based smart classroom technology, to address concerns about weakness of QR code attendance systems and security.



Evidence



Interview with Dr. Eliyah on 17th Oct 2023



First Discussion on 24th Oct 2023



2nd Discussion on 30th Oct 2023

Empathy

1. Interview session



Interviewer: Gui Kah Sin

Interviewer: Dr. Eiliyah Wong

About: what problem does she faced
and what is the suggestion solution

DEFINE

main problem

Fake attendance
concern

Ideate

<i>Traditional</i>	<i>Paper-based</i>	<i>Application</i>
<ul style="list-style-type: none">• By calling out students' name and recordind them down.	<ul style="list-style-type: none">• Students write down their names on the papers for lecturers to refer to.	<ul style="list-style-type: none">• By using an application for attendance, which could have added some other functions.

Problems & Solutions

Fake attendance concerns

1

Students must do the self-check-in for attendance using the face recognition or fingerprint on our device in each lecture location

For security concerns

2

The CCTV camera on our device are "ON" for 24hours to make sure the security of each classroom or lecture hall.
-Lecturers able to access those camera playback.

For emergency purpose

3

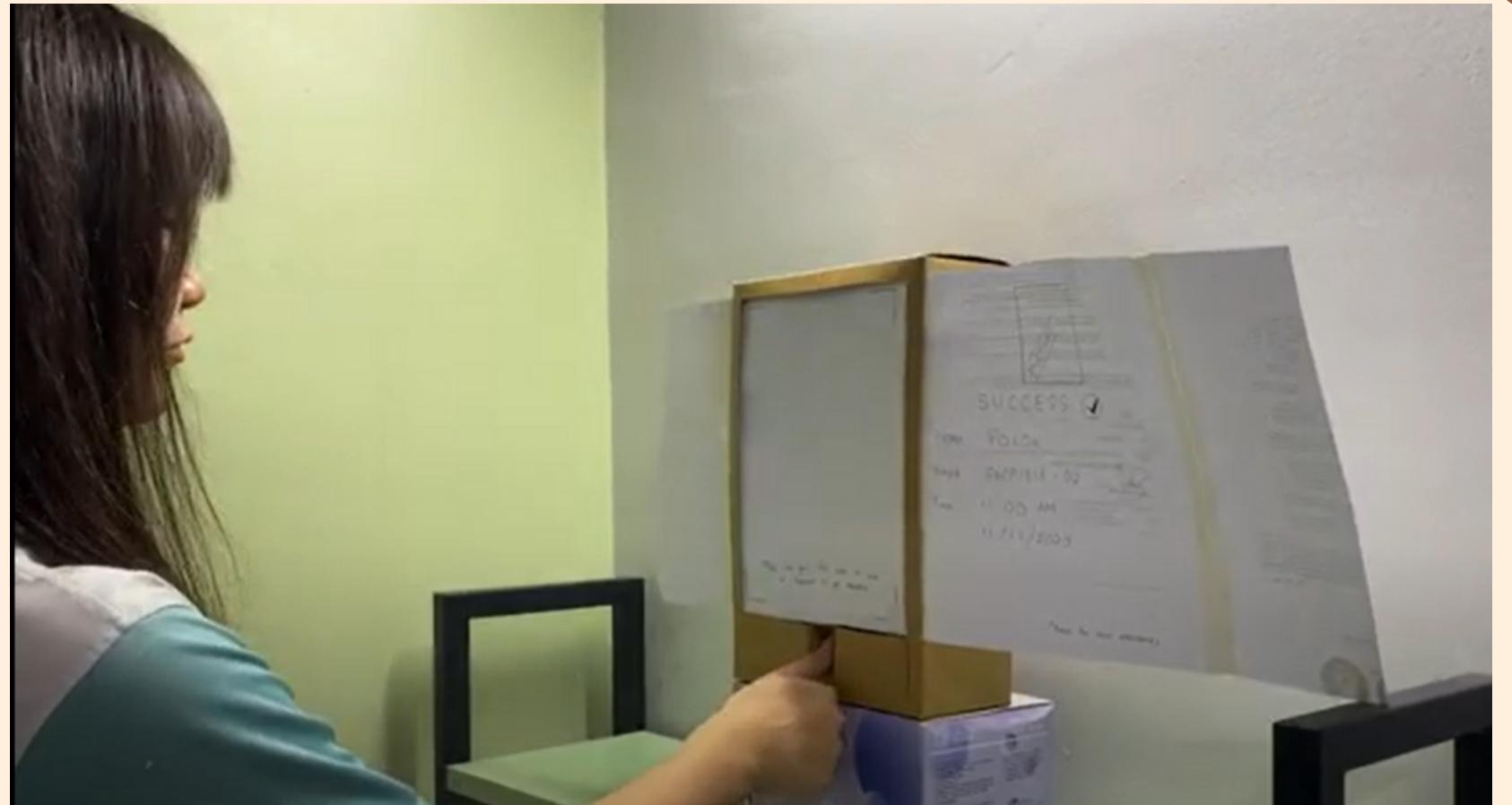
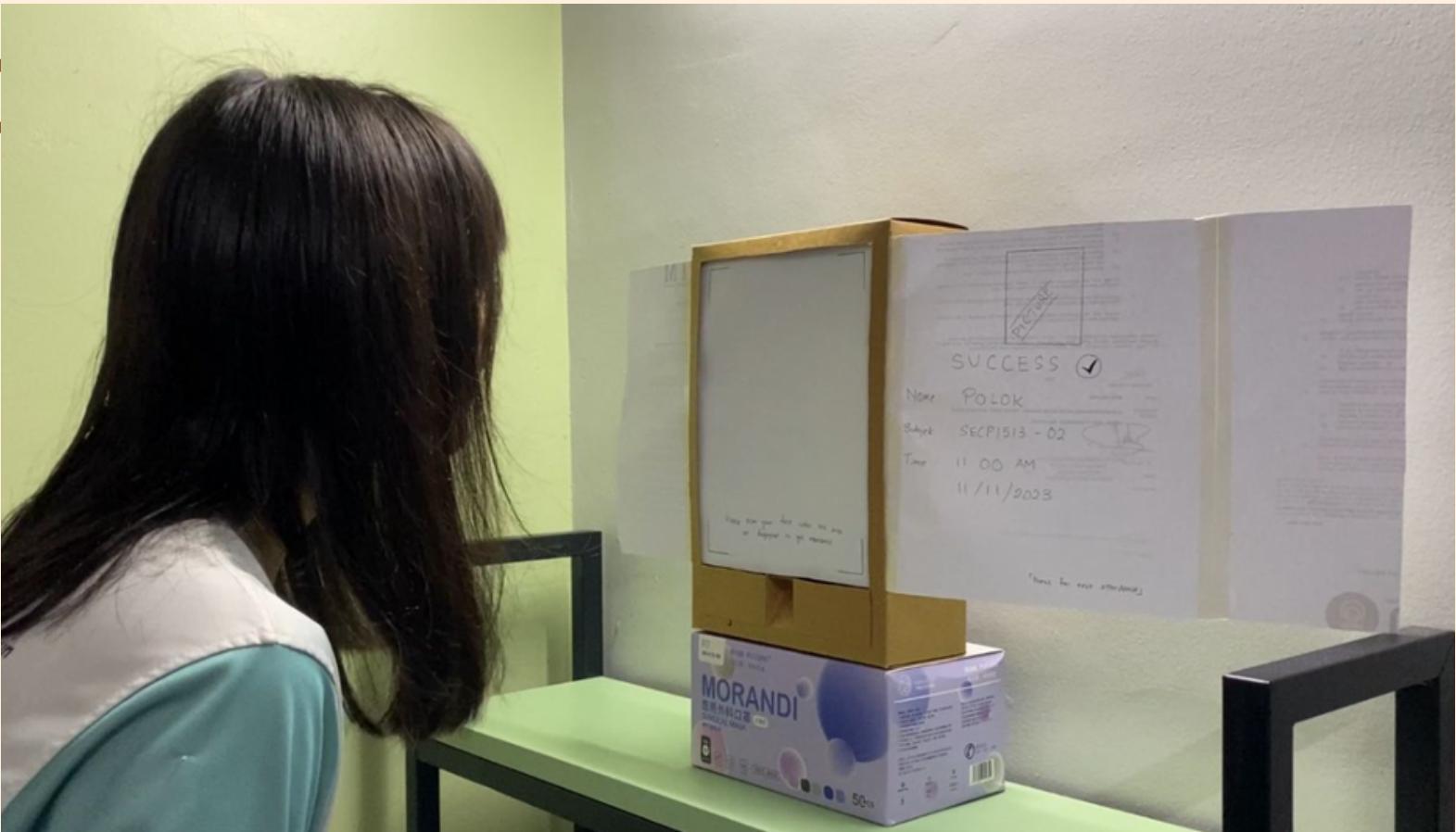
Lecturers can use remote communication function in our application to communicate or give instruction directly (real time communication)

Prototype



We choose the best and suitable way to solve the problems and built a prototype which is application and device.

Testing



When the product is done, we demonstrate and test our products with different users.

<https://youtu.be/KqJsBg-bVsE>



THANK you

By Group 10