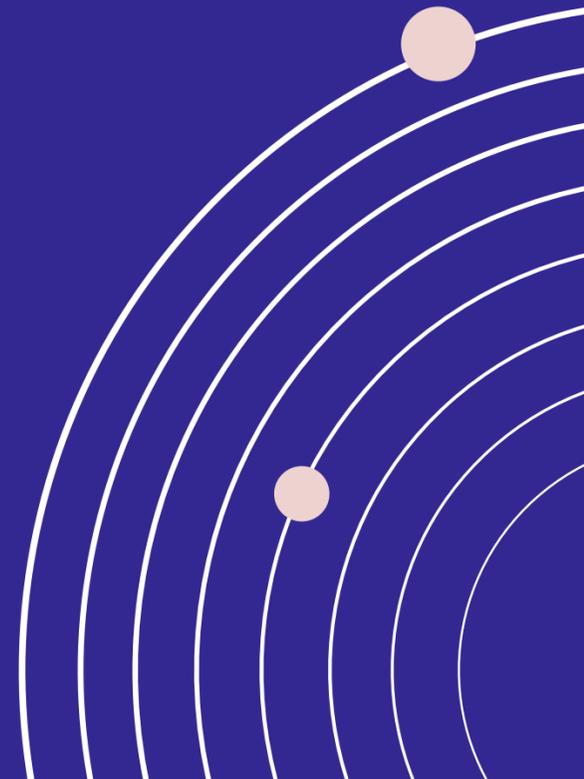




DW 1D TABLET

The TableTeam



OUR PROBLEM

● Lack of convenience for invigilators when overseeing examinations

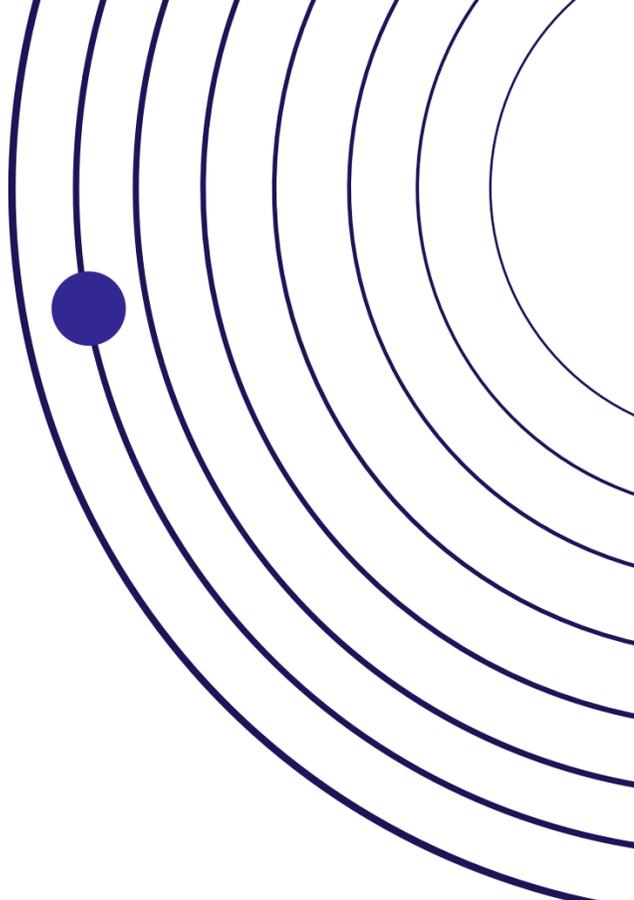
● Lack of active anti-cheating mechanism

● Lack of automation to check attendance

● Lack of accessibility to clock in classroom

OUR SCOPE

Tables during examinations

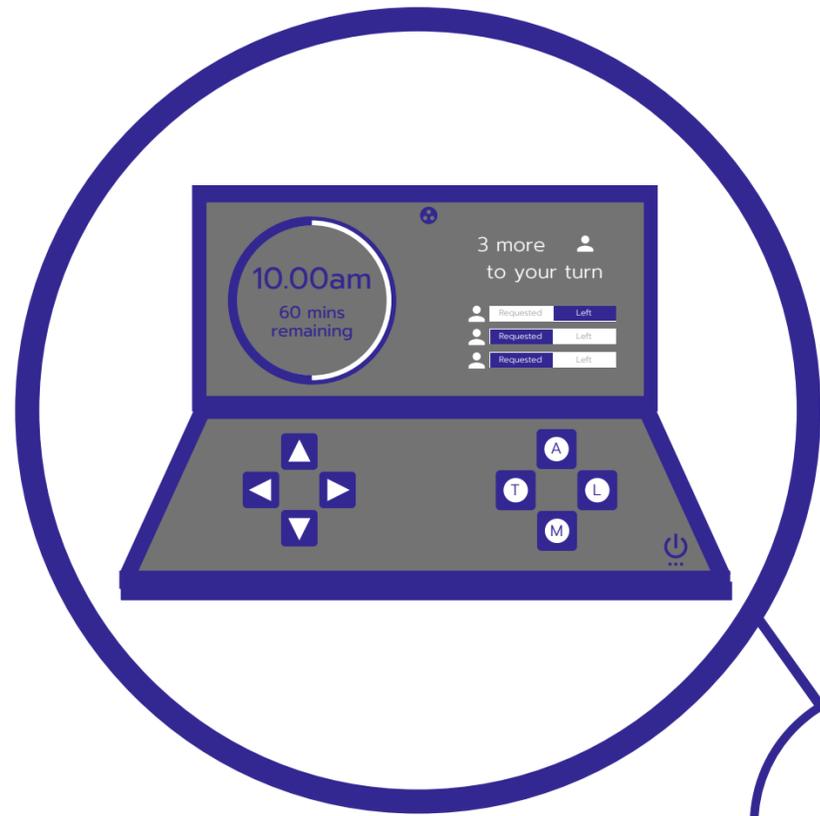


OUR SOLUTION

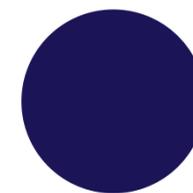
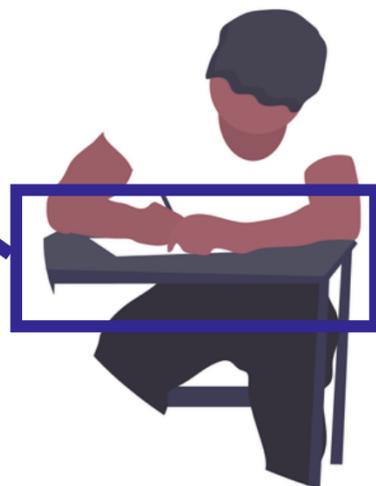
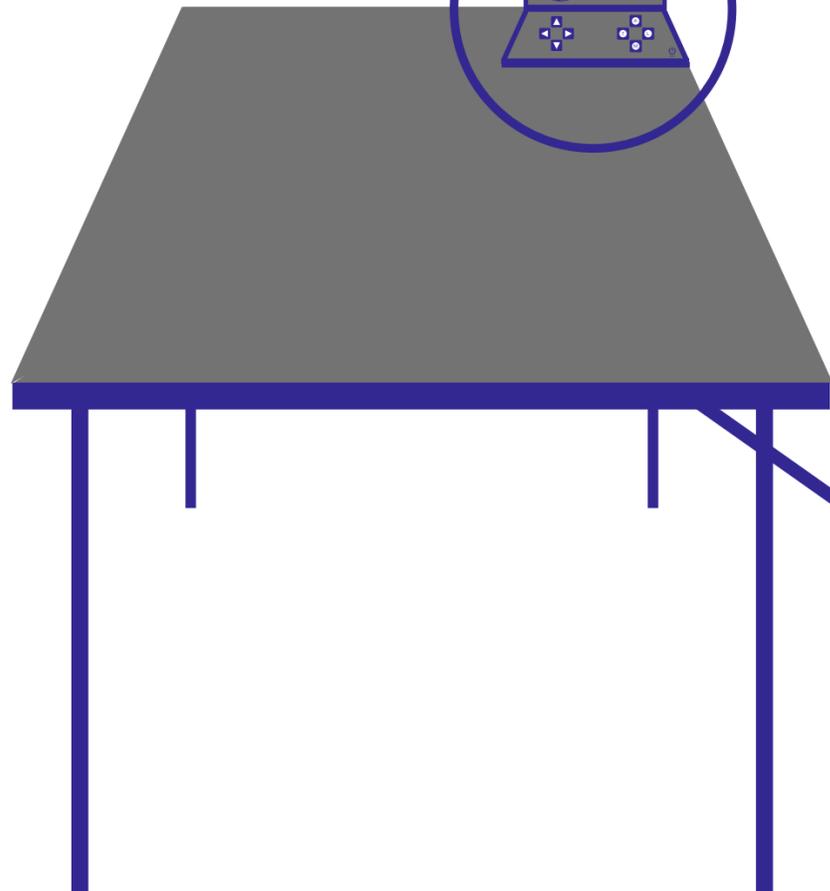
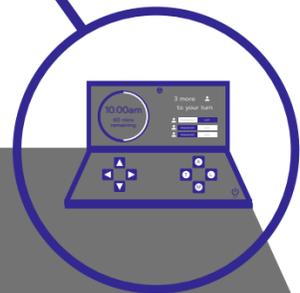
TABLET

A modular smart device that can be attached to a table.





EXAMINATION
IN
PROGRESS



FEATURES

Attendance

Request for assistance

Timer/Clock

Anti-cheating

Request to go to
washroom/toilet queue

Attendance



Request for assistance



Timer/Clock



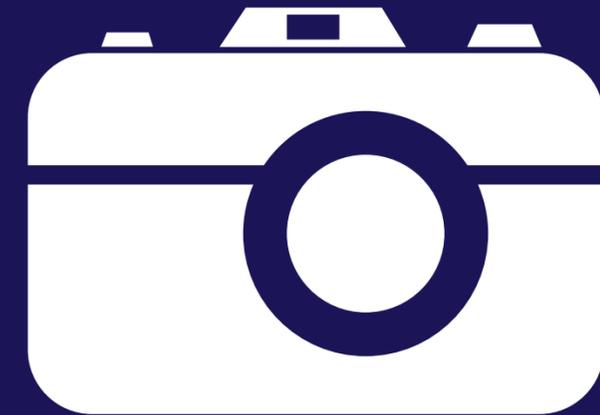
Anti-cheating



Request to go to
washroom/toilet queue

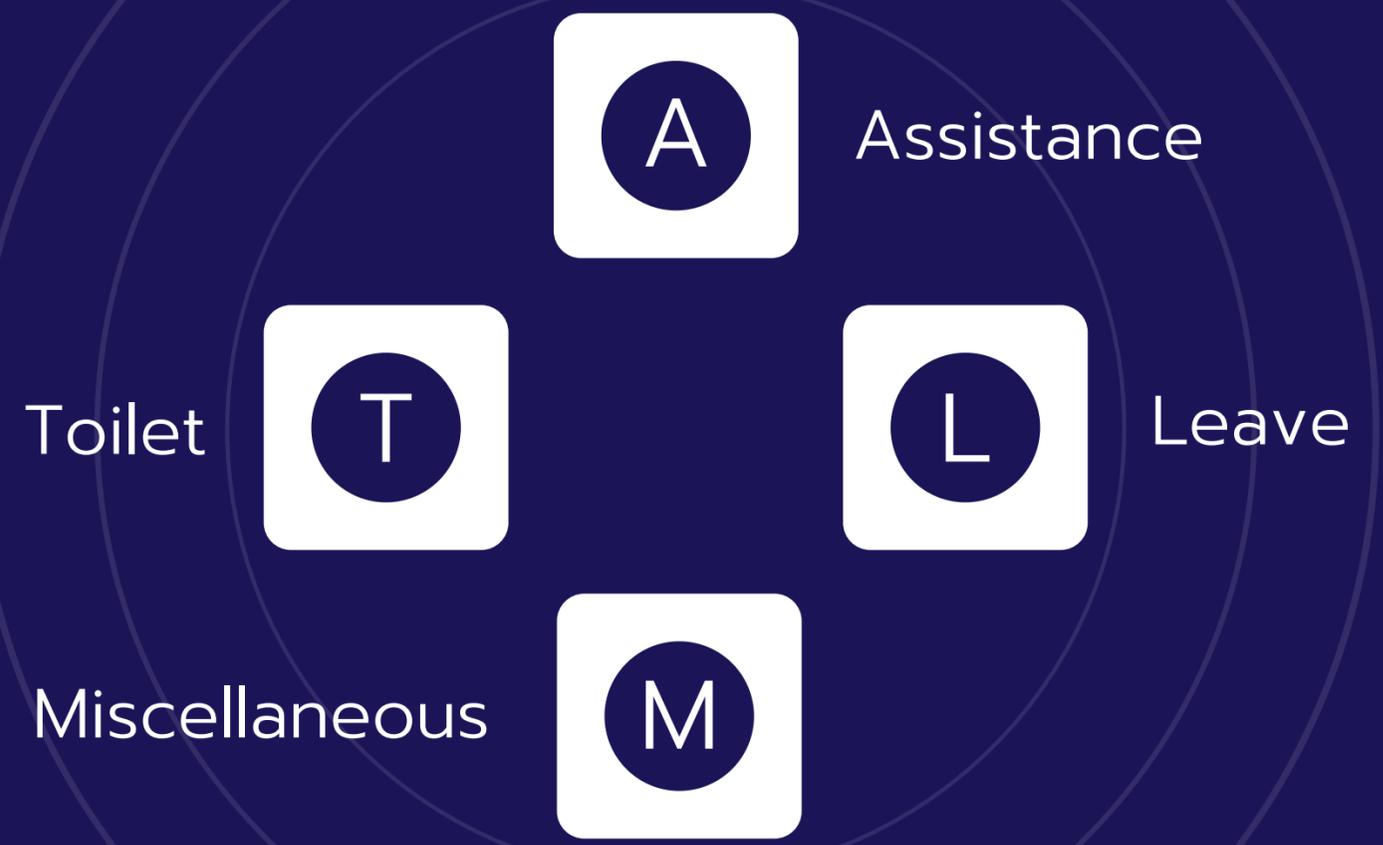


Facial recognition
with camera



- Attendance
- Request for assistance
- Timer/Clock
- Anti-cheating
- Request to go to washroom/toilet queue

Buttons with various functions



Screen that shows current time and amount of time left for examination



- Attendance
- Request for assistance
- Timer/Clock
- Anti-cheating
- Request to go to washroom/toilet queue

360 video
camera to record
eye movement



Attendance

Request for assistance

Timer/Clock

Anti-cheating

Request to go to
washroom/toilet queue

Attendance

Request for assistance

Timer/Clock

Anti-cheating

Request to go to
washroom/toilet queue

3 more  to your turn



Requested

Left



Requested

Left



Requested

Left

TECHNOLOGIES USED

Raspberry Pi - for
general computation

Kivy - for
beautiful GUI

Firebase - for database

Raspberry Camera V2 -
for taking pictures

Machine learning -
for facial recognition

HOW WE PLAN TO SPEND \$\$

LCD Screen - \$10



Pi Zero W - \$20





THANK YOU!

~~*delighting you always!*~~
we turn the *TABLE(T)s!*

