

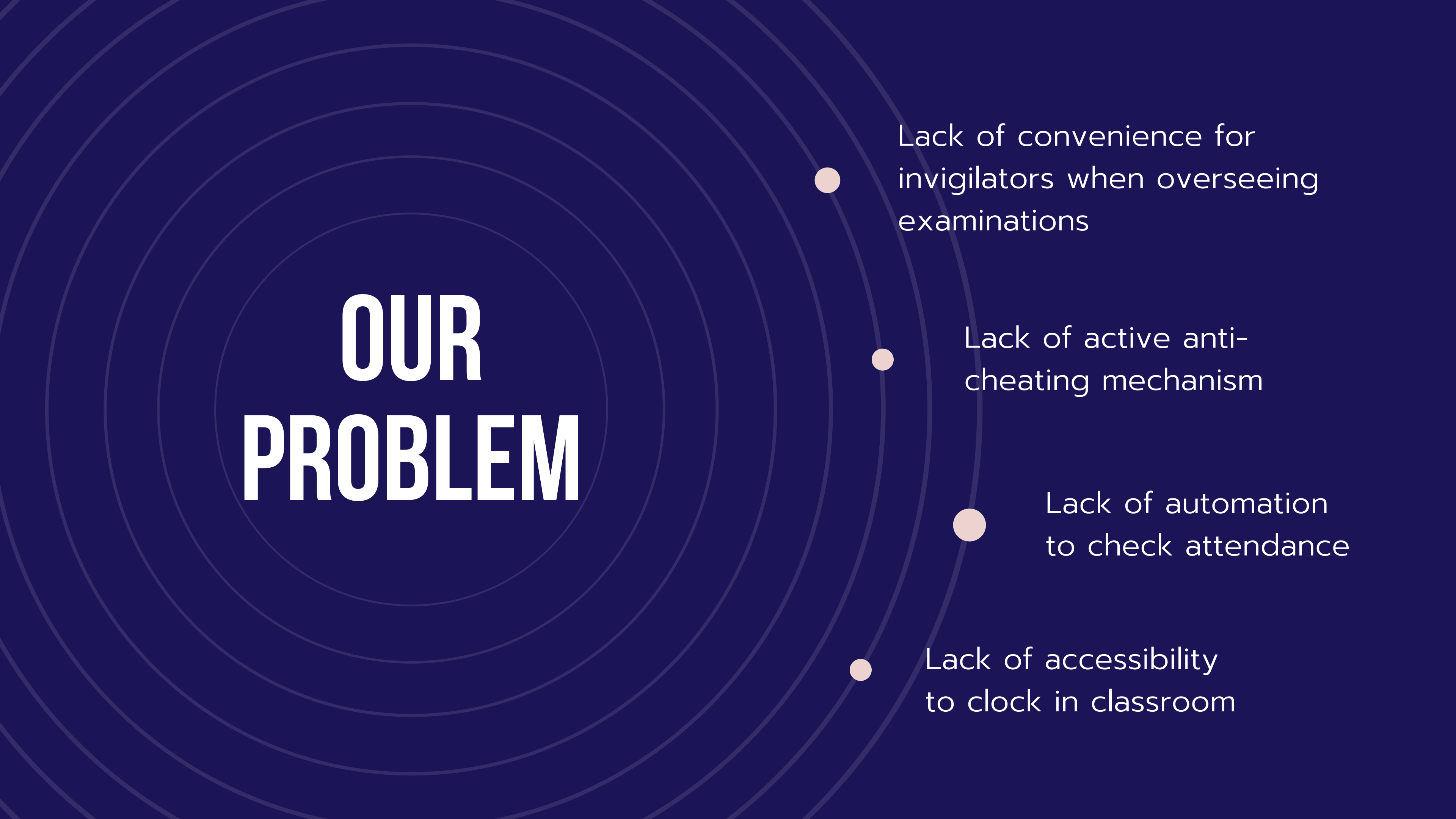


DW 1D TABLET

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

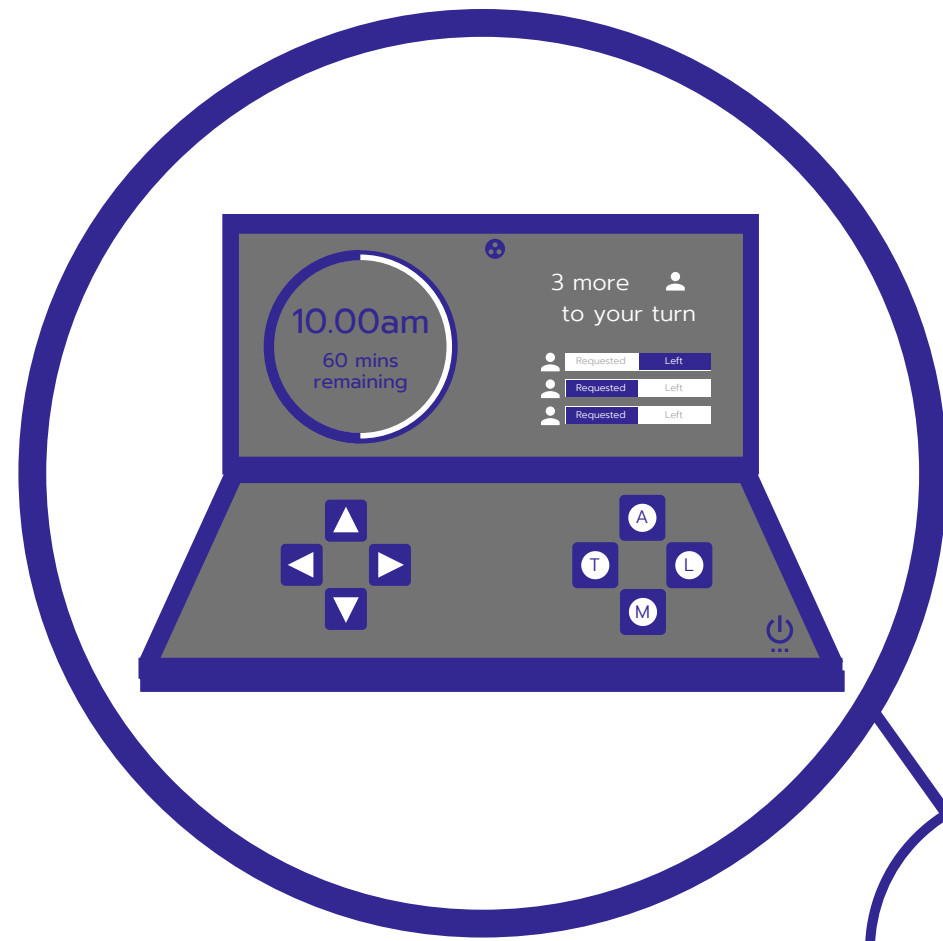


OUR SOLUTION

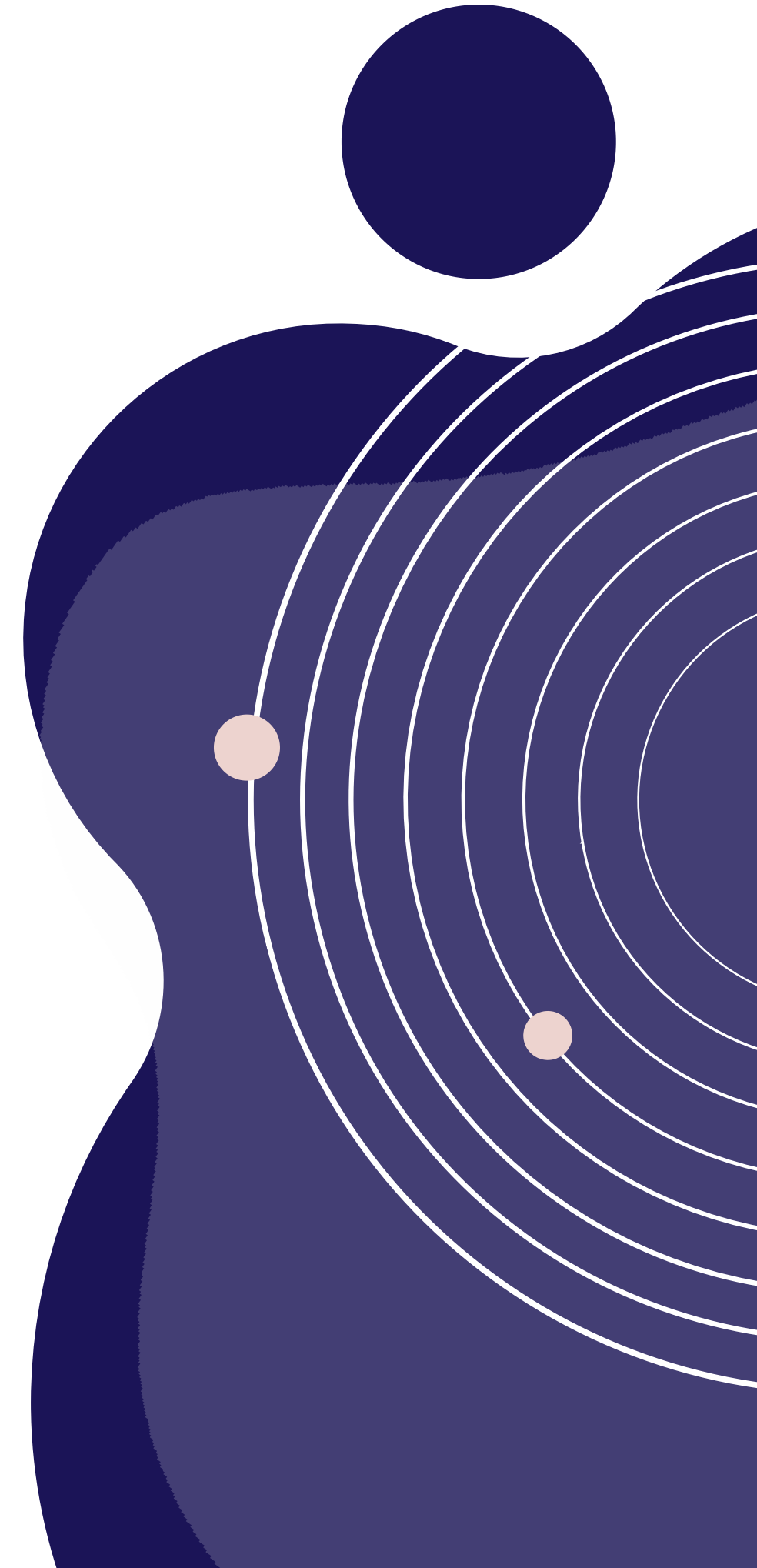
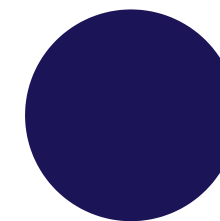
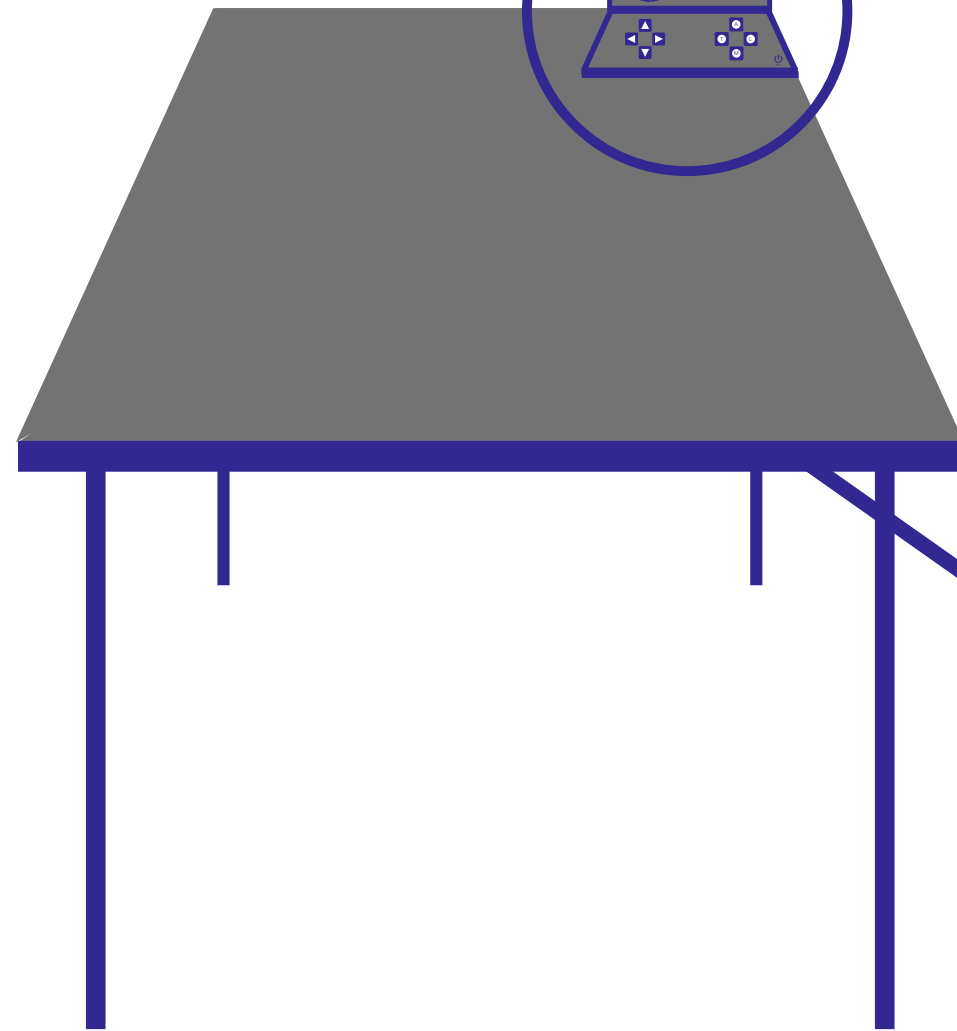
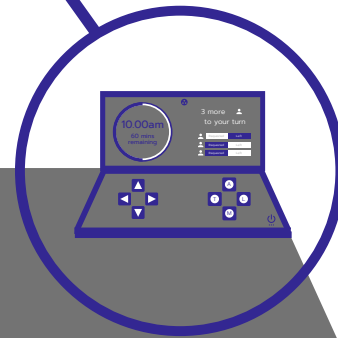
TABLET

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





EXAMINATION
IN
PROGRESS



FEATURES



Attendance

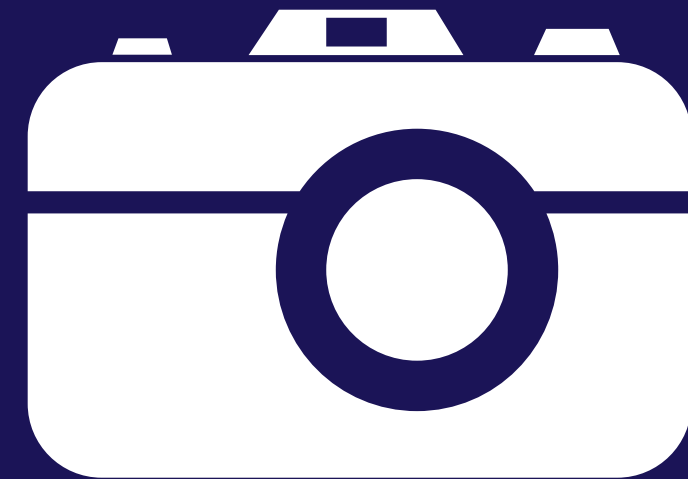
Request for assistance

Timer/Clock

Anti-cheating

Request to go to
washroom/toilet queue

Facial recognition
with camera



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

Buttons with
various functions



Assistance



Toilet



Leave



Miscellaneous

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

10.00am

60 mins
remaining

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

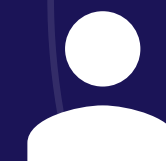
Request to go to
washroom/toilet queue

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!*