



MOBILE ROBOT

YARMBOT



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OUTLINE



**Intro-
duction**



Objectives



Concept



**Current
work**

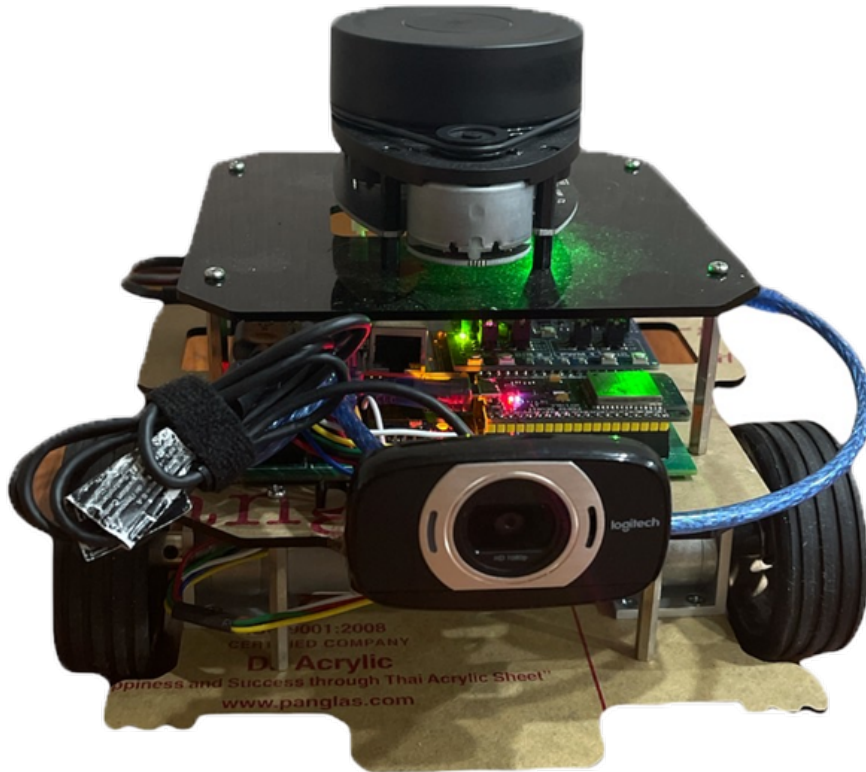


**Future
work**





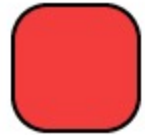
INTRODUCTION



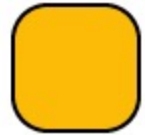
Yarm bot is an implementation of the kaebot system. Yarmbot is a guard robot that include a webcam and can detect human face. It will walk around a path every hour and you can see the live stream from your computer and mobile phone.



OBJECTIVES



Make robot walk around the room in a loop



Livestream webcam from computer and mobile phone



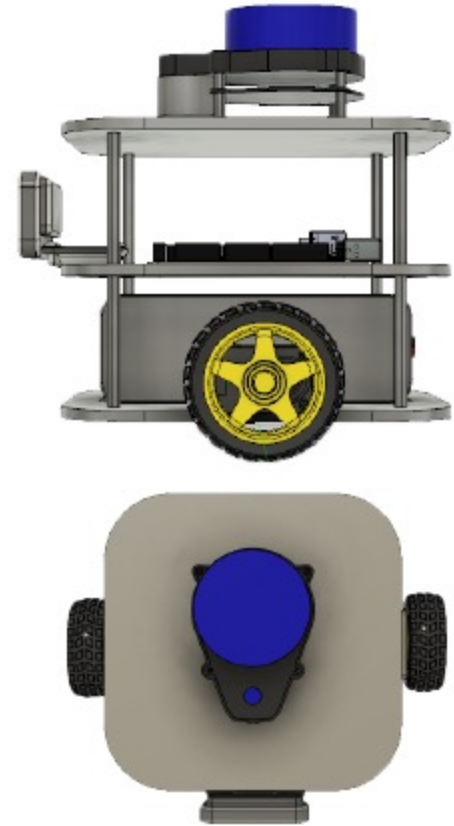
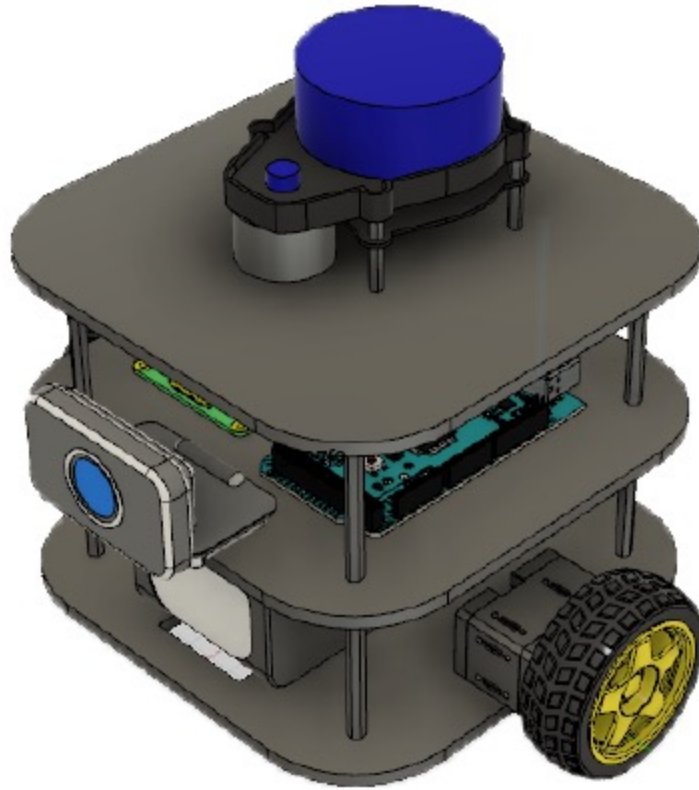
Control the robot from mobile phone



Detect human face from the webcam



CONCEPT



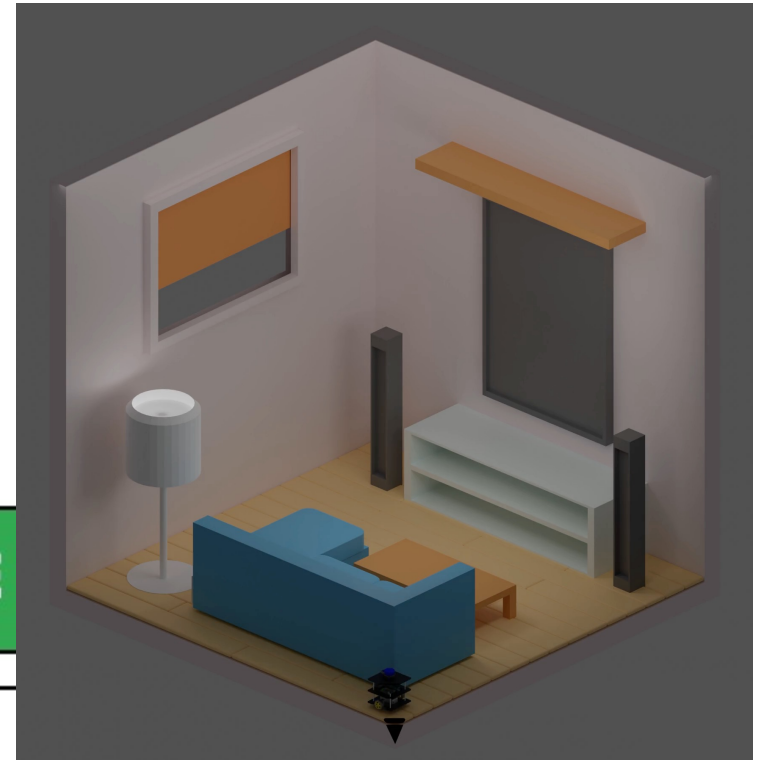


CONCEPT



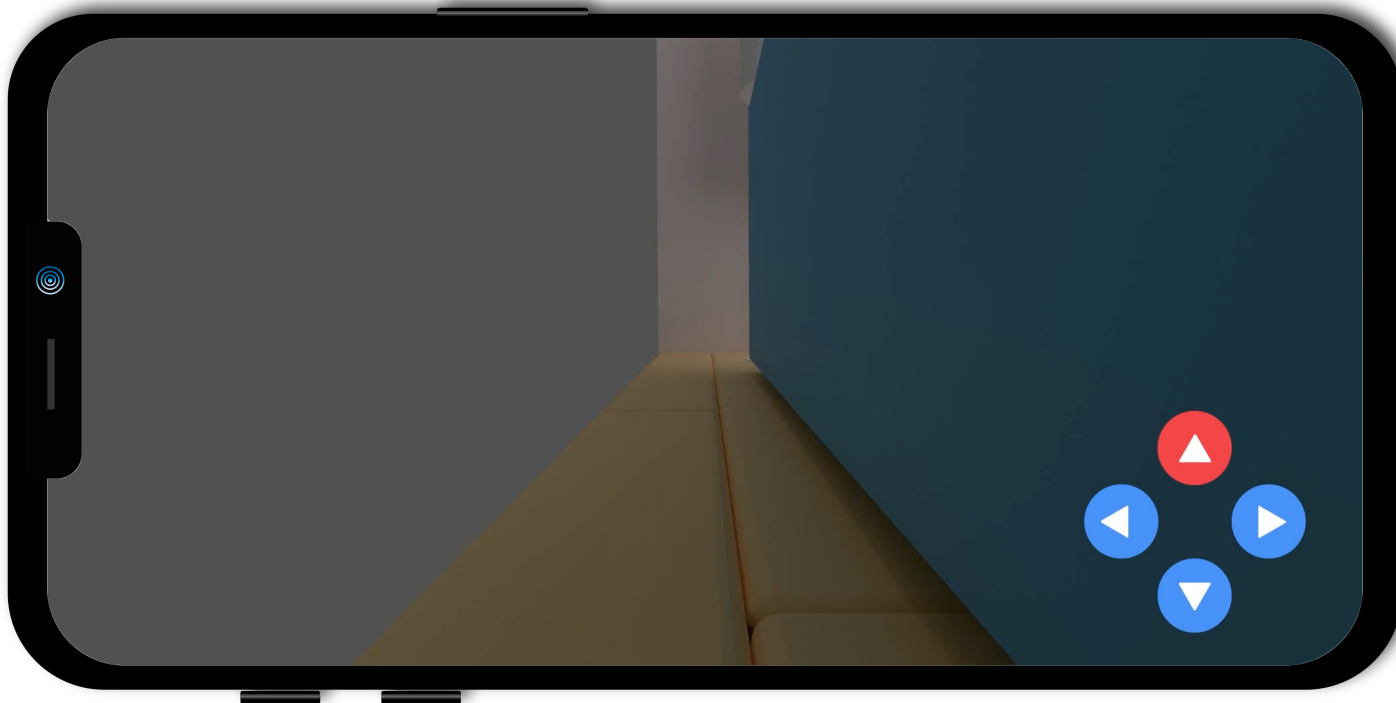
TOP VIEW

PERSPECTIVE





CONCEPT





CONCEPT

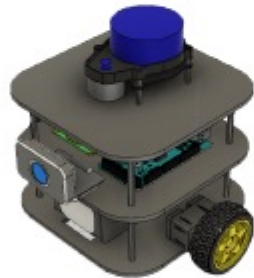
GUARD MODE



DETECT
FACE

NORMAL MODE

YARMBOT



ALERT

LIVE STREAM

TELEOP

LOCAL
HOST



BUZZER



PC



ALERT

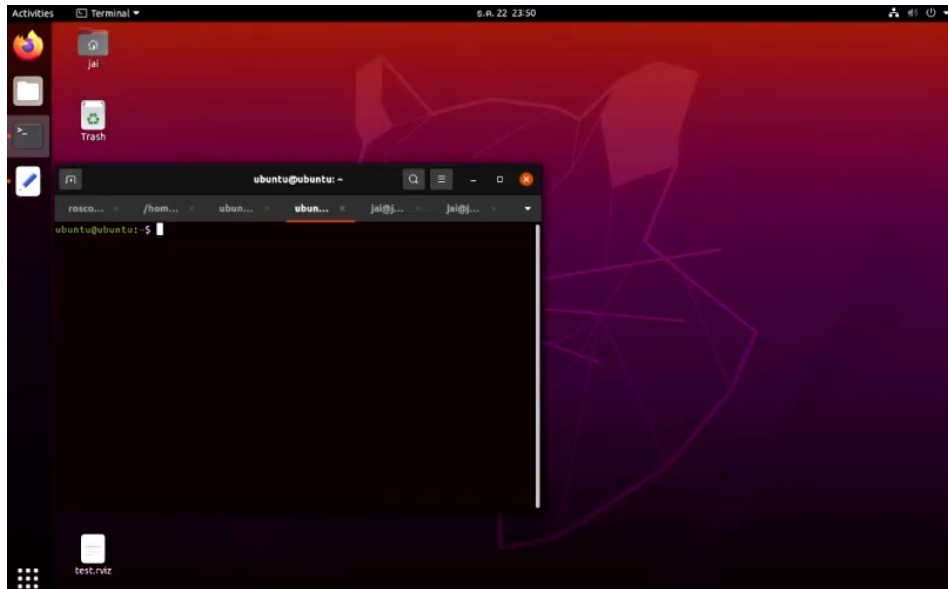


MOBILE

ALERT



CURRENT WORK



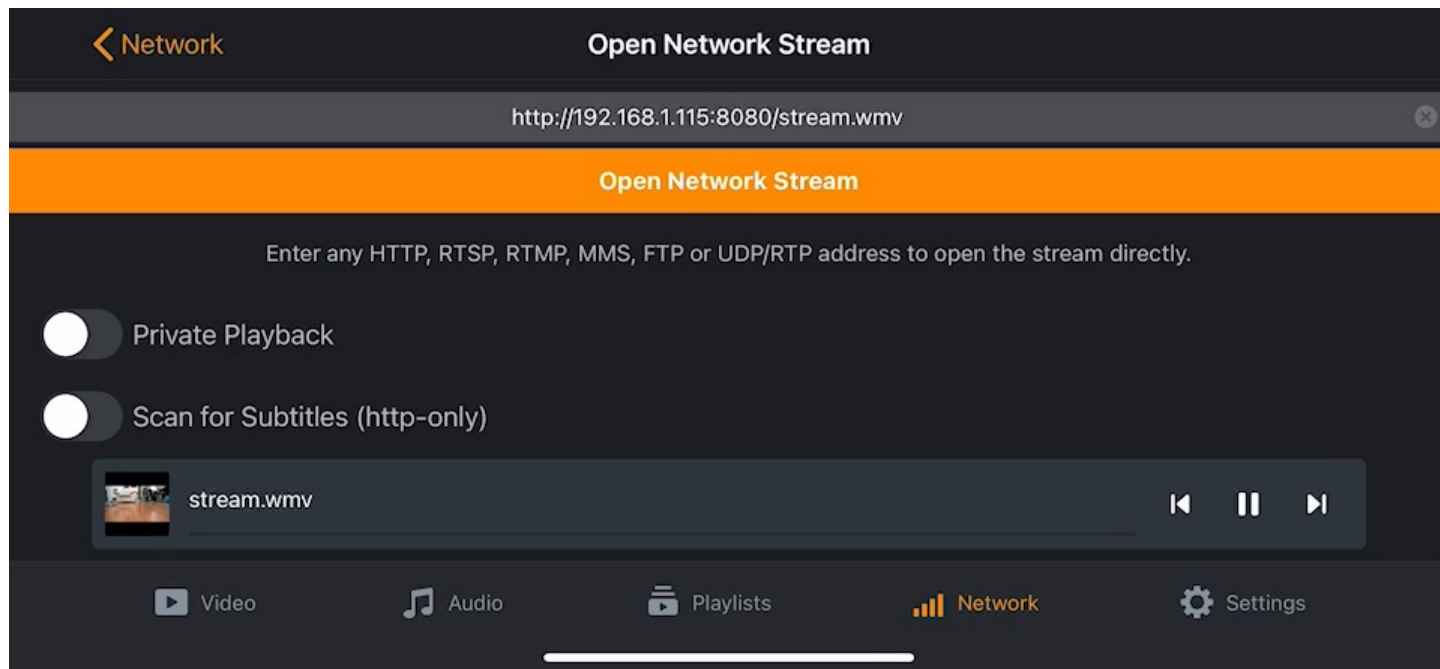
**from
COMPUTER**



**from
YARMBOT**



CURRENT WORK

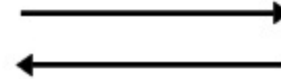
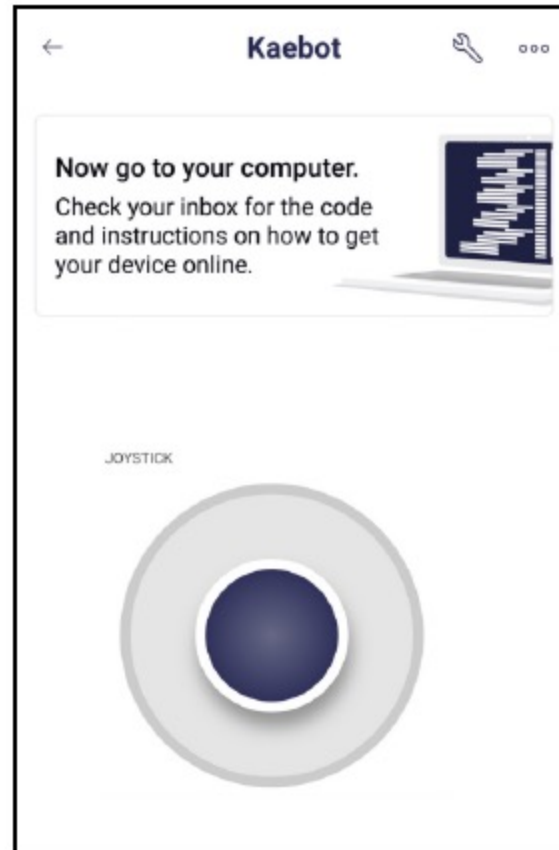


from
MOBILE



CURRENT WORK

**BLYNK
& raspberry pi**





FUTURE WORK



Control robot
from mobile



Detect human face



Send noise /
Alert to owner



Recharge station



**THANK
YOU**