



Traximo

#MoveToPlay

Team Name: Titans

Challenge: Open Innovation

Team Members

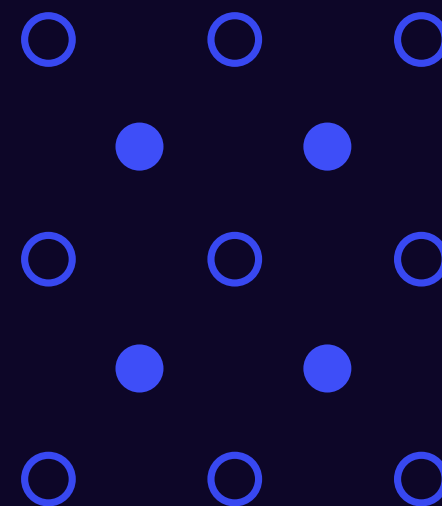
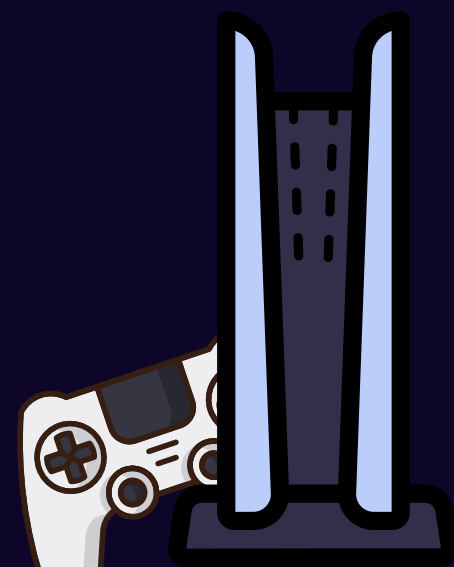
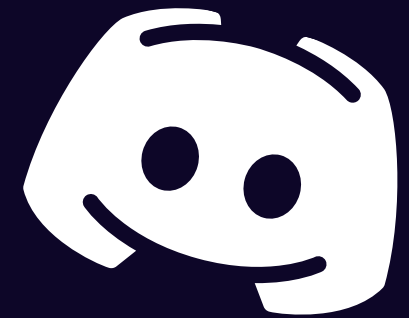
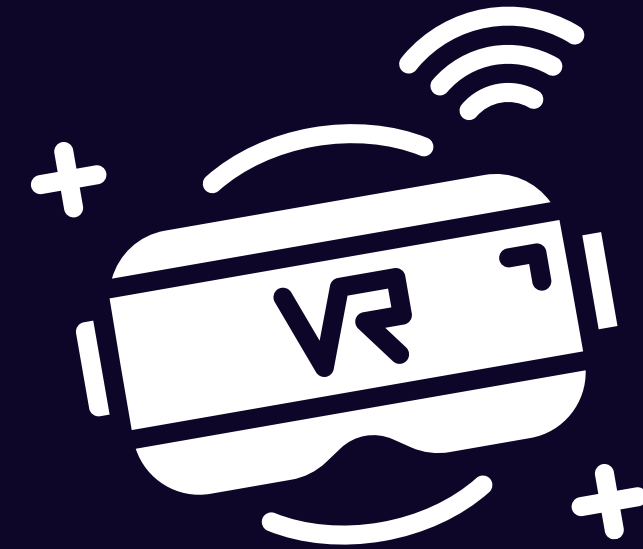
Ujjwal | Sumit Saini | Urvashi Choubey

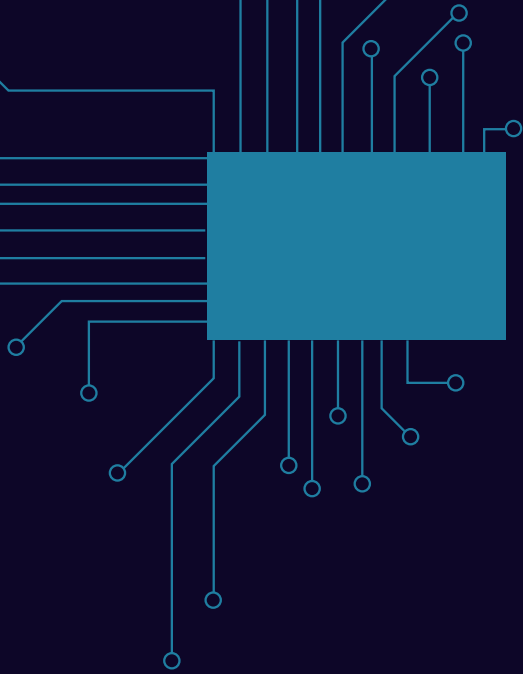
Problem Nowadays

Nowdays , gaming is an extremely popular leisure-time activity with large userbase worldwide.

This skyrocketing popularity of the gaming culture has given rise to several problems :

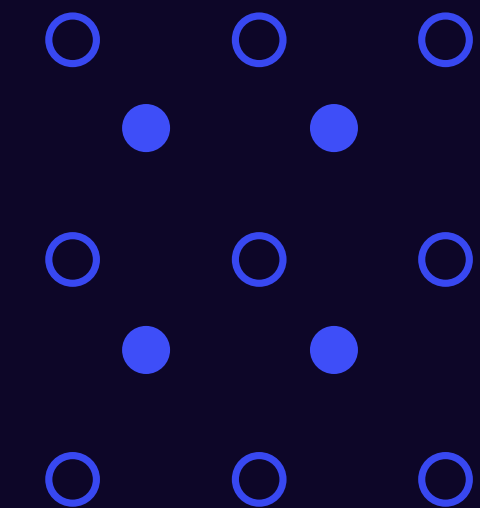
- Short eye-screen distance
- Decline in physical activities
- Increase in posture defects

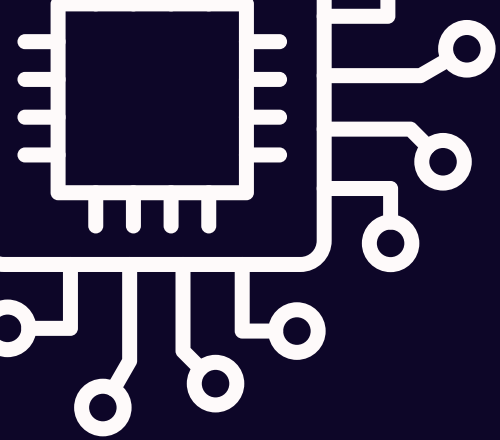




Our Idea

Traximo is a collection of #MoveToPlay games which encourages physical activities to play digital games. It increases engagement and interaction and provides a richer user experience. All of this is achieved through motion detection only using webcams installed in our devices. Our goal is to blend the immersiveness of virtual world with the active movements of physical world without any expensive devices.





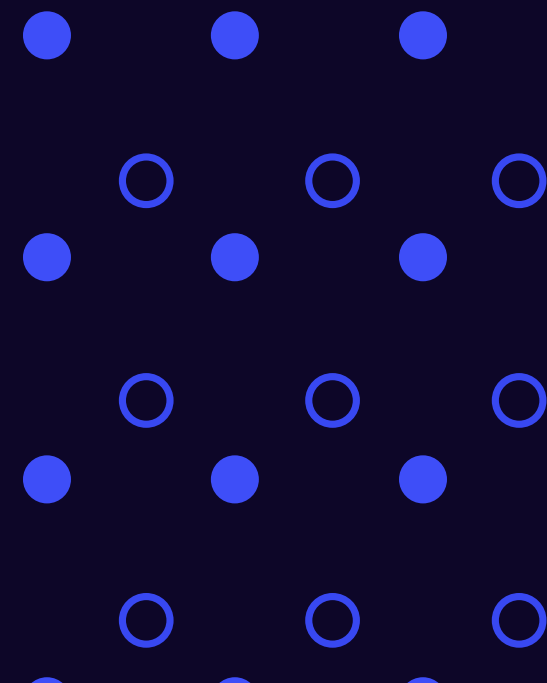
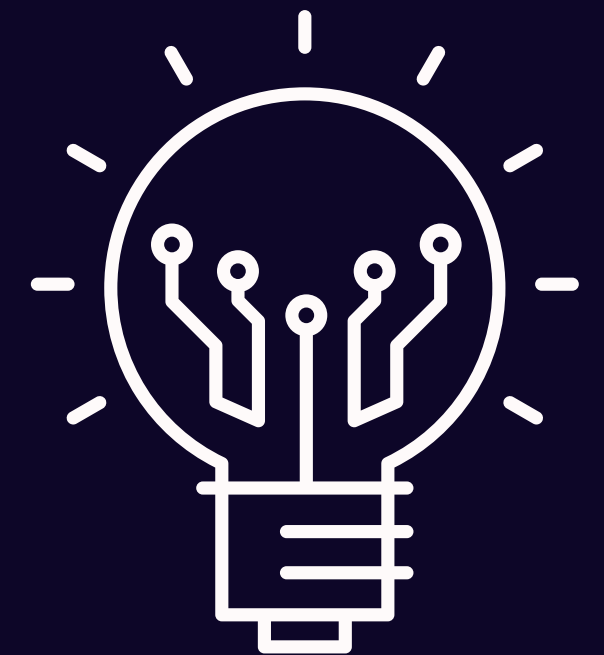
We Are Here To Bring You The Solutions

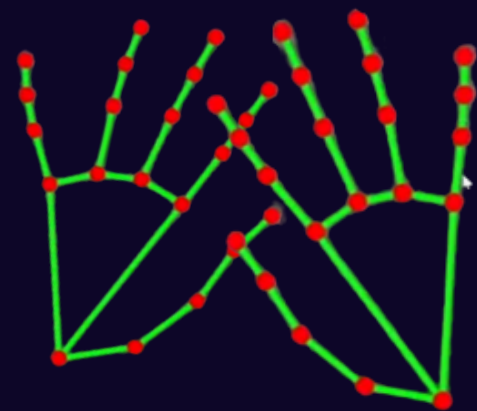
Motion Detection using Computer Vision

Various edge & motion detection algorithms are used to detect user movements and actions.

Action based interface

The player interacts with the virtual world by doing physical actions like waving their arms or jumping or ducking. This increases physical activity of the gamer and makes the game more immersive and fun.





Competitive Advantage



Compact

Traximo doesn't require any external device. Motion will be captured using the webcam of the device.



Compatable

Traximo is a web-app, hence, it is cross-platform and can be used in any device with webcam.



Immersive

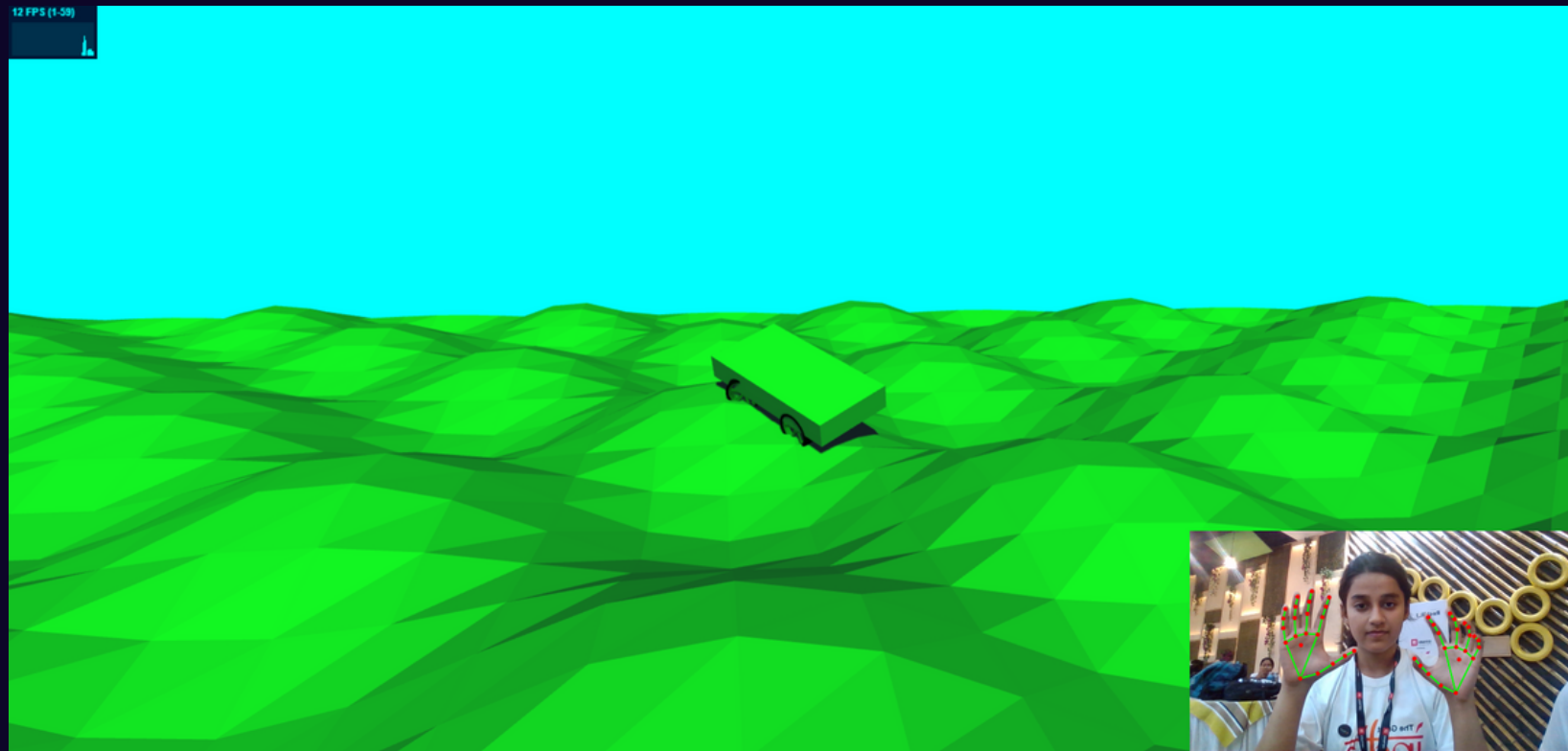
Traximo is an immersive environment where the user has to do physical activities to interact with the system instead of just swinging fingers on the device.



Feasible

Traximo is a free to play arcade centre that only needs good internet connection and a device with a webcam.

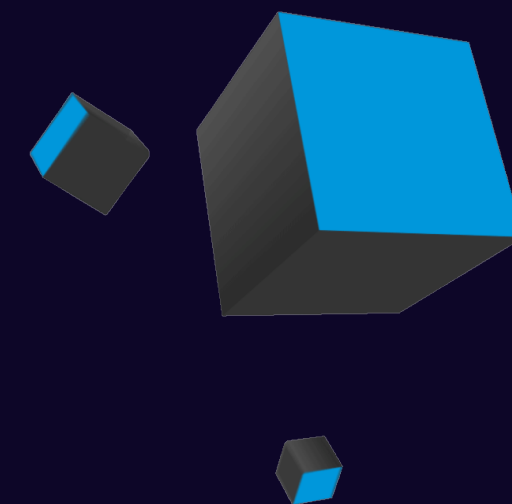
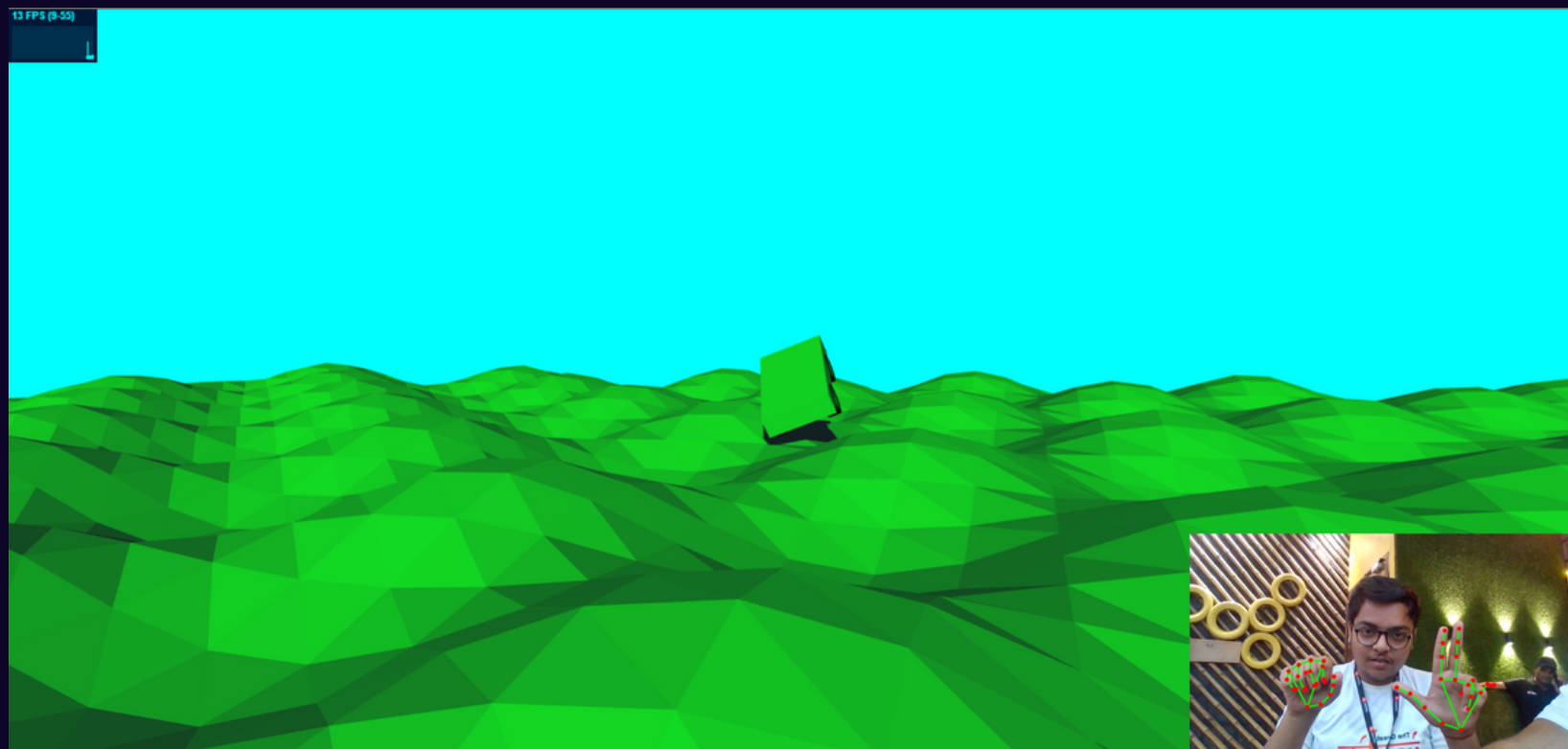
Implemented Models



3d Car Simulation

3d Car Simulation where car's controls are mapped to various hand gestures provided with an immersive WebGL experience.

[Test Now](#)



Implemented Models

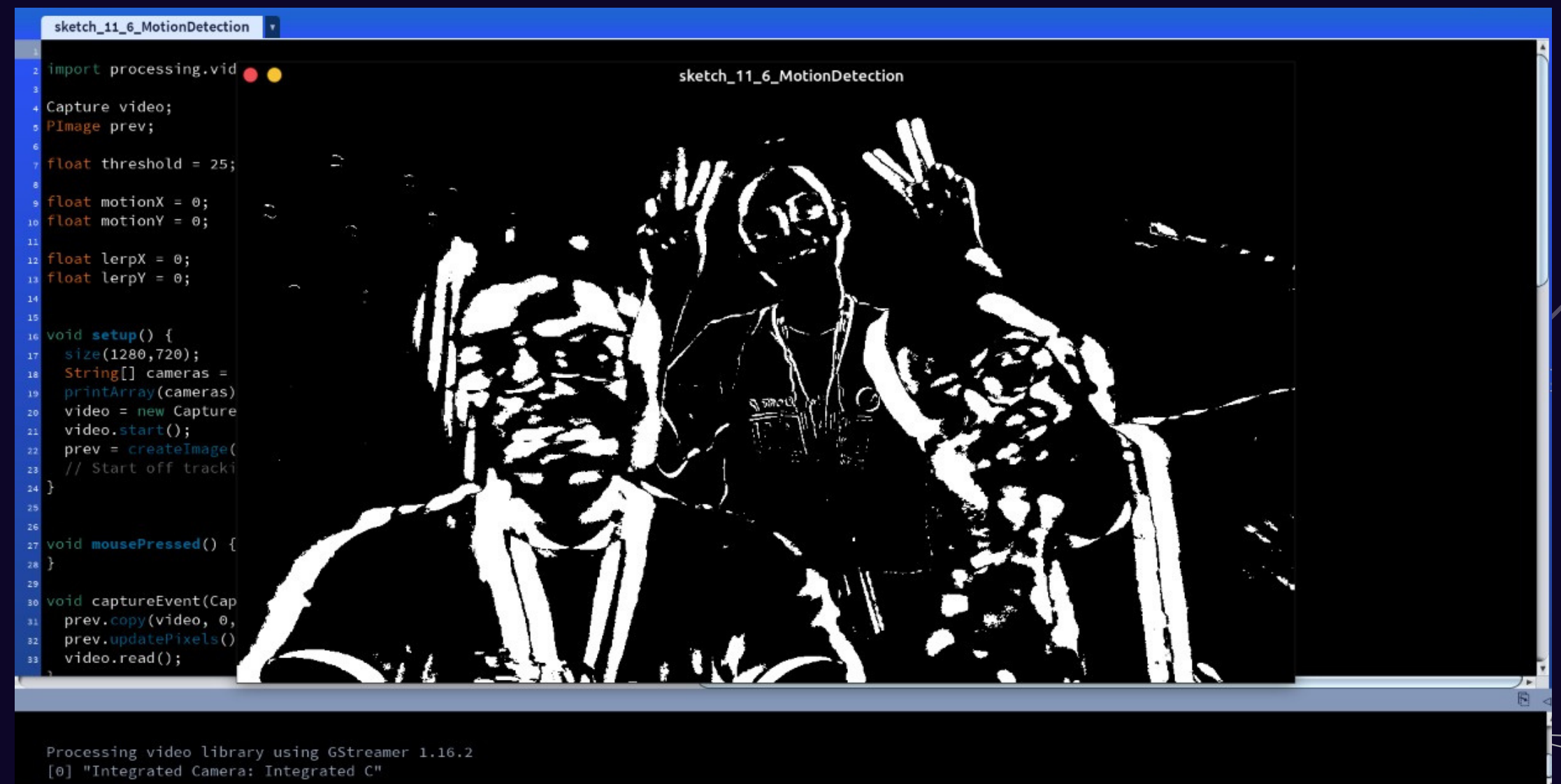
Ghosts Hunter



[Test Now](#)

Implemented Models

**Red Light Green Light
using
Motion Detection***



*will be completed soon

Hosted on MS Azure



Our website is hosted with all games combined in a web-based arcade center and you can enjoy them and test them right now!!

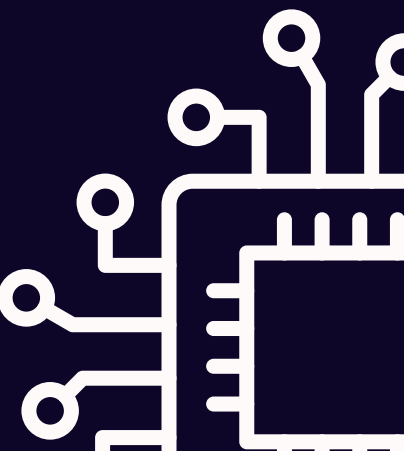
[Check Here](#)









Future Scope

On commercial implementation, this solution can open this move to play genre to a whole new audience.





THANK YOU !!!



**GAME
OVER**

