# Project of FYP

Tips for selecting project:

Hill cam cart racing game software:

<https://www.malavida.com/en/soft/hill-climb-racing/download>

Libraries:

* import mediapipe as mp
* import cv2
* import numpy as np
* import uuid
* import os
* from pynput.keyboard import Key, Controller

My project:

https://www.youtube.com/watch?v=ZBtk3GmJMTE&ab\_channel=KNOWLEDGEDOCTOR

Show idea of FYP:

<https://www.youtube.com/watch?v=Y6AA3aGxuxk&ab_channel=AnshikaGupta>

"Batteries included” philosophy:

Motto of the Python programming language, meaning it comes with a large library of useful modules. Batteries Included (slang), in a product usability (mostly in software) it states that the product comes together with all possible parts required for full usability.

Segmentation of images or videos:

Divide the image into different part according to the appearance of the object is known is segmentation.

Types of segmentations;

1. Segmented segmentation:

In which all objects are detected and each object have different color.

1. Instance segmentation:

In which we focus only on the interested objects only.

Uuid: ( **Universal Unique Identifier** ):

UUID, **Universal Unique Identifier**, is a python library which helps in generating random objects of 128 bits (consist of 32 character) as ids.

Hand guester snick game with complete details:

<https://www.analyticsvidhya.com/blog/2021/06/gesture-controlled-video-game/>

Apps and website:

Kivy ( use for mobile app development)

plalist:

https://ww.youtube.com/watch?v=R4HaRdEmoFU&list=PLTuKYqpidPXaHFnTRr2ZpXcJKS9QxT8Pp&index=5&ab\_channel=ProgrammingHut

best channel Name:

Augmented Startups

My project:

https://medium.com/@pateldigant/python-program-to-control-racing-games-with-hand-gestures-c328daa28f14

# **Driver drowsiness detection**

<https://www.youtube.com/watch?v=ksi42rwGyas&list=PLTXuqKbKkxkQ0Qo87JgvaaYte5oTF2FHy&index=5&ab_channel=Aryanverma>

must watch:

https://www.youtube.com/watch?v=3re6XfOxWl8&ab\_channel=NugrahaUtama