BUILDING A MOUSE

Project Holder: Sowmya. Pokuri

Project Name: **Building a mouse using your eye.**

Programming used: Python

Platform Required: Python PyCharm Community 2024.1.1

Packages:

1. Opencv-Contrib Python
2. Media-pipe
3. PyAUTOGUI

**Prolong of packages**:

1. Opencv :- A Specialization module present in python programming language, this is used in Project to launch the webcam.
2. MediaPipe :- To Identify whether the particular object is existed or not.
3. PyAUTOGUI :- That it facilitates us to automate the movement of the mouse and keyboard to establish the interaction with the other application using the Python script.

**Hyper-parameters:**

* Open Web Cam and see your Face. Using Opencv(cv2).
* Objective is to detect the face Whether face is existed in the Vedio or not.Using MediaPipe as mp.
* Finding the Landmarks and Looping over the face on x and y axis's.and check the land points on face and draw a circle on frame with the center(x,y) and radius.After getting landmarks on face,but for getting only on eyes refine the landmarks True at particular part.
* In this footpath allow the mouse control using PYAUTOGUI package.using enumerate to get id or index.

**CTRL+F2-**To get back to the mouse.

* Winking eye to click the mouse.