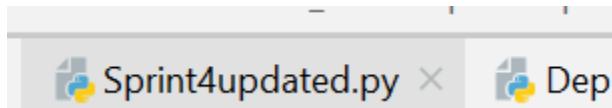


Sprint 4 app documentation- NYP Poly Course App(How it works)

* The only difference between Sprint 4 app and the mid term App lies with the type of GUI used and the design of the app*

Step 1- Launching the App

After the installation of all libraries , you can run the “Sprint4updated.py” from **SPRINT 3 folder** and you should see this . *If it's not showing up or in the import area , you see any red lines, do install the respective packages*



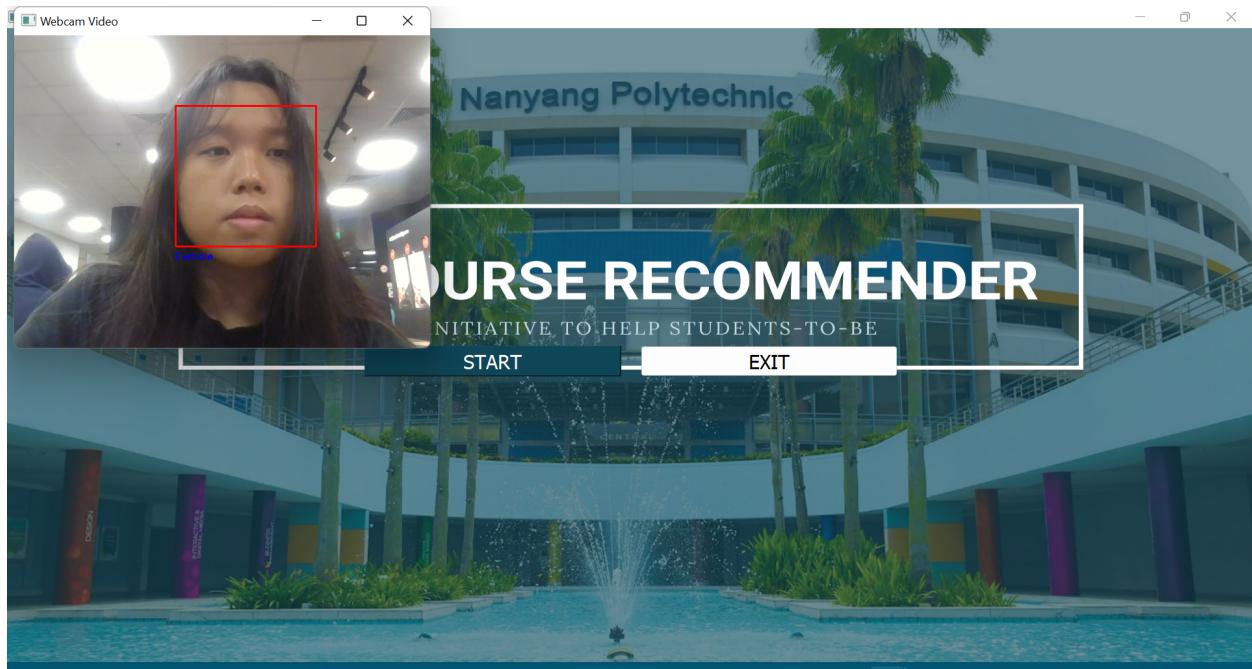
Step 2- Click on the “Start ”button

Once the button is clicked , face.py will run and the facial recognition will detect your age and gender and it'll auto off in 5 seconds. ** remember to pluck in your tobii pro eye detector device else you will face trouble in the next step.*



Face recognition window will pop up to detect your gender and where appropriate , there is a timer(5 seconds) and a counter to turn off the facial recognition window . So you do not have to

do anything other than adjusting your face so that the prediction will be more accurate.



Step 3- Gaze at the food that you like

The tobii eye detector device will capture your gaze and it will tally which food that's on screen has the most number of gaze from your eyes and that particular food will be assigned to "most_looked".



Step 4- Recommended Courses

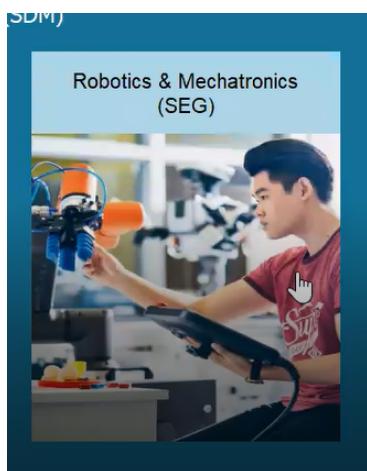
With the gender and 1 food data from the previous step , our model will recommend to you the top 5 NYP poly courses based on a group of similar users that are similar to you.

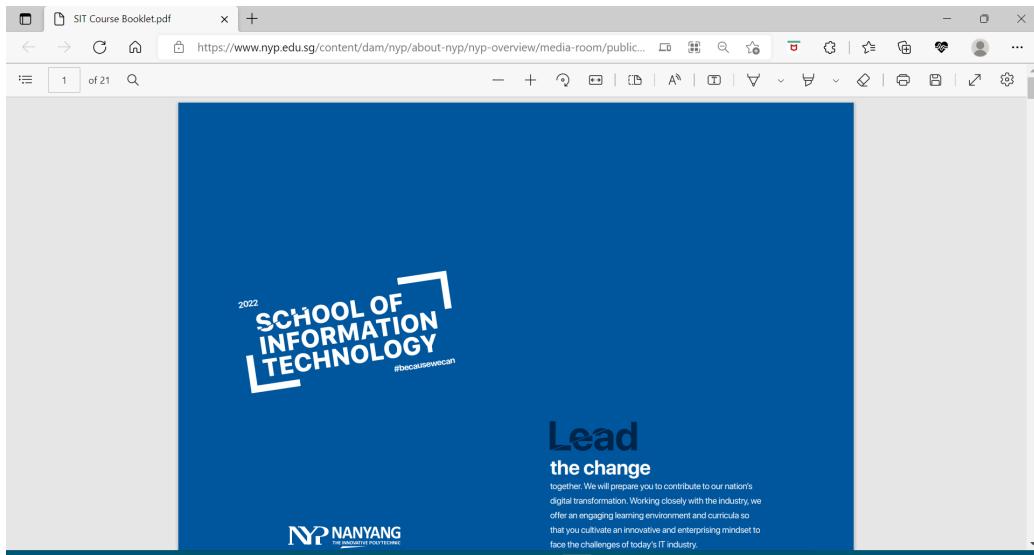
i.e (they are of the same gender and also pick this 1 NYP poly course-> then the top 5 food that keeps appearing in this group will be recommended to you)



If you shift the recommended food aside , you can see that there's a heat map beneath it.(at step 6) This heatmap is generated from the gaze data that was collected earlier, so you can cross check if you're looking at the "right food".

Step 5- Click on the images or the Underlined course beside "You've chosen:"





If you click on the image on the recommendation pane or the underlined course name it will direct you to the respective course brochure page where users can find more information about the courses there.

Step 6- Heat Map

If you shift the recommended food aside , you can see that there's a heat map beneath it. This heatmap is generated from the gaze data that was collected earlier, so you can cross check if you're looking at the "right food".

