Final Year Project Log

# Face Recognition Fleet Management System

## **Date:13/03/2020**

## **Log Number : 21**

## **Reflection:**

Friday 13th and schools and colleges close due to the Covid-19 Pandemic. What a change.

Over the past week I have been looking into TkInter (tk) for python and trying to figure out how to write a GUI for the Raspberry Pi end of the project. I have also investigated accessing the Mongodb Atlas database from the Pi. I decided that it would be better to use JupyterLab on my pc to test the Python code rather than testing directly on the Pi. JupyterLab runs Python in a browser and it allowed me to try different piece of code from tk tutorials to experiment, learn and understand how to best design the login GUI I wanted to create. I could also test how to connect to Atlas from python and how to retrieve information from the database. Currently, I am not able to check encrypted passwords with Python code and I am not finding any help online for this problem. It may take more investigation into how Bcrypt works to figure out how to decrypt in the Pi code.

Also continued to work on my poster. Made some changes as advised by Paul Lennon.

## **Tasks:**

1. Write the code for the GUI
2. Integrate the GUI with the existing Code
3. Figure out how to check encrypted password in Pi code
4. Integrate into face recognition code