WHAT I LEARNT

PRO-102

Security system using webcam

The goal for this module is to explore python’s OpenCV library.

● We learned about uploading files to drop box.

● We learned to take images using OpenCV library to access webcam and upload them on dropbox.

● Usage of the OpenCV library to capture images.

● Uploading images to drop box.

Command prompt

In command prompt we installed the open cv library on our system using python package manager.

Then we saw the usage of random and time modules in python

Visual studio code

we saw the code to take pictures using the cv library and understood how it works. Imported cv2 and defined a take snapshot function.

Declared the results variable and set its value to true. We used a while loop.

Used the read function to read the frame

Used the inwrite function to save the image

Closed the camera and closed all the windows that were open

Then we wrote code to capture an image every 5 mins and upload it on drop box.

We defined the upload function which would upload the file to drop box

Defined the main function which would call the other two functions after every 5 mins.

Then we checked the output.