

CSE541 Computer Vision

Weekly Report

Section-1

Group 1 - Fantastic Four

Submitted to faculty: Prof. Mehul Raval

Date of Submission: 20 April 2022

Student Details

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**Tasks Performed in the week:**

* Lastly, we figured out by comparing both MobileNet and SqueezeNet that SqueezeNet is a better model for our project’s implementation giving faster results and higher accuracy.
* We tried to implement a Real Time Face-Recognition system from our webcam for the SqueezeNet model. However we are still facing some minor issues and errors which we need to resolve.

**The outcome of the tasks performed:**

* The errors are like the rate at which the video detects an image is very low, and it makes the implementation very slow and time consuming.
* However, the issue is not with the model’s output, but with implementing image extraction from the webcam while detecting it and providing it as an input to the model. This process is somehow slow. So we need to optimize it and make it more efficient and usable.

**Tasks to be performed in the upcoming week:**

* Implementing the Face Recognition from the video without any errors and in the most efficient and faster way, and if time permits adding a function about the attendance system.