**Computer Engineering Project: VIII Semester, Academic Year: 2020-2021**

**Weekly Progress Report:**

Progress Report No: 7 Date: 01/03/2021

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| **Title of the Project:** | Online Proctored Examination system | | |
| **Type:** | UDP | | |
| **Group No:** | **Id. Numbers and Names:**   |  |  |  | | --- | --- | --- | | Sr. No. | Id. No. | Name | | 1 | 17CP003 | Parv Parikh | | 2 | 17CP024 | Dhruvil Kotecha | | 3 | 17CP050 | Hiten Sangtani | | | |
| **Guides:** |  | | |
| **Progress, Task done:**  In seventh week, we completed face detection part.   1. For finding the unfair means first we created a face detection module which will detect the multiple faces as well as if the student is not sitting in the proper position or not present in the window. 2. We are using OpenCv along with dlib to detect the faces and face positions. 3. For creating a face detector, we used frontal face detector module which is by default available with dlib. 4. Web camera detects the video frames of the student then that frames are passed to the detector and detector checks for the faces if any unfair mean is found i.e multiple faces or face out of the camera window, then our module will capture that image and save it locally in the server. 5. We are also saving the video for the entire examination part on the server side which requires a decent amount of storage. 6. For the basic module we have kept frame frequency to 12, which means the image will be captured after every 12th frame passed, if any unfair mean is detected. | | | |
| **Remarks of guide:** | |  | |
| **Signature of guide:** | | |  |