**Online Examination with Face Authentication and Question Paper Generator**

**Team Members Information**

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**Project Goal and Objectives:**

* **Motivation**

Generally, online examination faces many security threats such as impersonation, third party assistance or even interaction with other exam takers in the hall. Existing systems do provide efficient identity check by manual verification of the invigilator in the examination hall which avoids impersonation but may fail to check for threats during the course of exam. Also, one of the main challenges of an exam is to maintain standards of the question paper based on test taker’s capability.

* **Significance of Project:**

This system would allow the online examination to take place in remote location and eliminates the necessity of an invigilator. Moreover, this system eliminates creating question papers manually which saves time, resources and human effort. Also, this system prevents paper leaks as transportation of paper is prevented.

* **Scope of Project**

The proposed system seeks to implement face recognition and detection along with face tracking and seeks to implement question paper generator as the main elements of the project.

* **Objectives**

The objective of the project is to create a system which implements face recognition to authenticate the test taker when logged in. The system also aims to track the face during the course of exam in order to prevent cheating. The final objective is to create a suitable difficulty level question paper for the test taker.

* **System Features**

1. Face Detection and recognition while logging in would eliminate the threat of impersonation while taking the remote online exam.
2. Question paper generation system would create a question paper based on the input of the difficulty level.
3. Face Tracking would see to it that test taker is not cheating during the course of the exam.

**Backup Idea:**

* The objective of the project is to create a system which will help to provide a genuine review on the movies based on the comments on the social media.
* The idea of the project is to design a system which collects the results based on the comments in the social media.
* The system collects all the comments on the movie and calculates an average rating percentage and displays them.