DASS Client Interaction 3

~Minutes of Meeting~

Date: 23rd February, 2024

Location: CIE

Time: 7PM

Attended By:

- Mr. Jaya Bhardwaj (**Client**)
- P.V. Sakthidhar (**2022112005**)
- Sai Deekshith Vaddineni (**2022101110**)
- Yashas S. B. (**2022113001**)
- Ishita Bansal (**2022114004**)
- Saketh Reddy Vemula (**2022114014**)

Discussion Points:

Progress on the goals from the last meeting:

1. Code was written to detect the various facial features using key points in a frame. 2. Accuracy of the application was calculated.

3. Tried reverse engineering on existing models.

We discussed the following points in this meet:-

- **What methods of correction do photographers use nowadays**?

They typically perform tasks such as

- correcting facial features
- removing blemishes
- softening skin

- ● adjusting emotions in multiple pictures.
- **Things to keep in mind while stitching photos: -**
  - ● The colors in the image.
  - ● The orientation of the image.
  - ● The relative size of the part we should stitch with respect to the image. ● The face angle of the person in the image. (This was added in today's meet.)

- **Primary features we need to add: -**
  1. Detecting and correcting whether eyes are open or closed.
  2. Identifying the best smile and making sure it is captured.
  3. Adjusting the angle of the face for perfect composition.

Tasks before the next meeting:

- ● To achieve these tasks, the various techniques include: -
  1. Face detection using landmarks. (mostly done)
  2. Face alignment methods.
  3. Facial recognition algorithms.

- ● Try new features and libraries available: -
  1. Cosine similarity for comparing faces.
  2. Libraries for fast deployment.
  3. Tools like "Sharp" for image enhancement.