MINUTES OF MEETING – 8th March

Location: CIE

Time: 4:00 PM

Date: 8th March 2024

Attended By:

1. Mr. Jaya Bharadwaj (Client)
2. Yashas S. B. (2022113001)
3. Saketh Reddy Vemula (2022114014)
4. Sai Deekshith Vaddineni (2022101110)
5. P.V. Sakthidhar (2022112005)

Goals of the Meeting:

1. To show the client our progress on the goals from the last meeting.
2. To discuss the issues faced while trying to patch and blend images.

Discussion Points:

Progress on goals set in the previous meeting:

1. The key points detection and scoring part of the project was finished using the python modules of FastDeploy and MediaPipe.
2. Morphing an image based on another image was done.
3. Modules for patching and blending of features were explored.
4. GANs examples were explored.
5. All the above tasks were done by teams of two.

Release 1 was discussed:

1. Do we need to make a User Interface (UI)? - Yes!
2. FaceMorphing has its limitations so other ways should be explored.
3. Need to use UMAP clustering to cluster images based on their dimensionalities like angles, resolution, etc.
4. We do this with the help of the “yaw” angle which can be found using the MediaPipe library.

Patching and Blending was discussed and explored in detail:

1. GIMP (an open source photoshop tool) was used to get an understanding of what our program will look like.
2. A dataset to patch and blend was chosen from an extensive set of wedding photos.
3. The usage of Generative AI models for this was stressed upon.

Goals for next Meeting:

Tasks (T) - has an Owner and a deadline
Decisions (D)
Information (I) - everything else of interest

Type	Description	Responsibility	Deadline
T	To design a UI for the project	Ishita	By R1
T	To divide the dataset into UMAP clusters as the project requires.	Saketh	By next meeting
T	To figure out if FaceMorphing can be used more efficiently	Sai and Saketh	By next meeting

T	To write a program to patch and blend images cleanly.	Yashas and Sakthidhar	By next meeting

T	Make a proper dataset to work on	Everybody	By next meeting