**Progress Report-1**

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| **Progress Report :1** | **Project Name: Face Recognition and Facial Expression Detection** |
| **Name and Roll Nos. of Students** | **18001011035 – NITIKA**  **18001011052 – SHRUTI** |
| **Brief About Project:**  Our main target is to implement face recognition using the Haar Cascades Classifier, openCV & K-Nearest Neighbors Algorithm and pre-trained deep learning model to detect faces in the database images and use them to train the face recognizer and the last step is to test the face recognizer to recognize faces and facial expression it was trained for.  **Technology used:** Tensorflow, keras, some helpful libraries such as Numpy  and matplotlib  **Task Accomplished:**  We have created the dataset at location c drive of the device using the code. Then we moved towards training the model for face recognition.  **Things under work at present:**  Being new to the required technology, we are learning and studying them within this process itself. Currently we are evaluating our model and thinking of the improvements which can be made and are trying to make our model more efficient. Completing face recognition part, we have moved towards expression detection.  **Next Steps:**  Now we are left with expression detection, predicting the result of our model and will be enhancing it to the utmost. | |
| **Comments of the supervisor** | **Satisfactory** |
| **Date of submission to Project Coordinator** | **24-04-2021** |