**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
| --- |
| Team Members:   1. Aniket Nichat 2. Rohit Thawali 3. Aniket Deulkar   Email :   1. [vrushabhnichat@gmail.com](mailto:vrushabhnichat@gmail.com) 2. [rohitthawali25@gmail.com](mailto:rohitthawali25@gmail.com) 3. [aniketdeulkar123@gmail.com](mailto:aniketdeulkar@gmail.com)   Contribution:   1. Aniket Nichat:  * Worked on CNN Layer * Explore Dataset * Data Augmentation  1. Rohit Thawali:  * Worked on ResNet50 * Validation data * Analysis Image dataset      1. Aniket Deulkar:  * Worked on Deepface * Collect dataset form Kaggle * Fitting the model |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/Vrushabh9975/Emotion---Detector |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| **We have did project on face emotion detection using deep learning concept we learnt all things how it works , basically we use three model we mention above**  **Face emotion is basically is very important part in this situation. ability to understand facial expression is an important part of nonverbal communication. If you only listen to what a person says and ignore what their face is telling you, then you really wont ’t get the whole story. Often, word do not match emotions, and the face betrays what a person is actually felling. We take seven emotion and work on the normally use emotion in day today life. From the perspective**  **Of computer simulation, a framework combining a face expression recognition (FER) algorithm with online courses platforms is proposed in this work. The cameras in the devices are used to collect students ‘ face images and the facial expression are analyzed and classified into 8 kinds of emotions by the FER algorithm.**  **Problem statement :**  **We will solve the above -mentioned challenge by applying deep learning algorithms to live video data. This solution to this problem is by recognizing facial emotions.**  **Approach:**  **This Project my approach is towards like I gave idea use CNN layer this model and we use CNN layer after using this it give some good accuracy. Using CNN layer works on deeper in network it really good.**  **Conclusion :**   * + - **After accomplished the project we see the project look great and give good accuracy**     - **Using CNN layer we get accuracy 66.54 and test 56**     - **This project we learnt lot form this**   **Drive Link :**  **https://drive.google.com/drive/folders/1ITQh6DrL33ts0agJsO-\_xIeAUGwtL7bh?usp=sharing** |