**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
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| 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/Rohit738767/Face-Emotion-Detection03 |
| **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:**  **In this project my worked on that project using Resnet model I search on**  **Resnet how it works then we deploy in project. I also think that I use transfer learning but we don’t use.**  **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/u/1/folders/1LUZftBjCJVCauMWmRDTaoYXVQqyQ5\_rJ** |