**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

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| **Team Member’s Name, Email and Contribution:** |
| Team Member : 1. Kartik Pandey  2. Sagar Khekale  Emali: 1. [kartikpande12@gmail.com](mailto:kartikpande12@gmail.com)  2. sagarkhekale2@gmail.com  Contribution :  Kartik Pandey:   1. Worked on sequential model 2. Worked on confusion matrix 3. Worked on data augmentation   Sagar Khekale:   1. Worked on DCNN model 2. Worked on some EDA using Dataset 3. Collected dataset from kaggle |
| **Please paste the GitHub Repo link.** |
| Github Link:-  https://github.com/sagar234/Face-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)** |
| **Summary:**  **This Project is totally based on face emotion detection so in this project we use two method DCNN, sequential model. Using this we have get some good accuracy to perform well in local system as well as in web app , So face emotion is a facial expression is one or more motions or positions of the muscles beneath the skin of the face. According to one set of controversial theories , these movements convey state of an individual to observers. Facial expression are a form nonverbal communication**  **Problem statement :**  **We will solve the mentioned challenge by applying deep learning algorithm to live video data. The solution to this problem is by recognizing facial emotion**  **Approach :**  **My approach towards the project first I saw what are the problem statement and then I thought we work on  DCNN model because it easy to construct and gave good accuracy than CNN.**  **Conclusion:**   * **After done all things and some conclusion this project like we have get 72.15%**   **Accuracy in training set and valid 66.54%**   * **It is amazing project I learnt lot form this project.** * **The face detection and emotion recognition are very challenging problems. They require a heavy effort for enhancing the performance measure of face detection and emotion recognition. This area of emotion recognition is gaining attention owing to its application in various domains such as gaming, software engineering and education.**   **Drive Link:**  **https//drive.google.com/drive/folders/1ke6nfmk14wpffNESjVVNUX84nFUxBgvc?usp=sharing**      . |