

**COMSATS University Islamabad**

**Emotion detection (Scope)**

Artificial Intelligence (AI)

**Submitted By:**

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**Submitted To:**

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## Abstract:

Recognizing facial expressions would help systems to detect if people were happy or sad as a human being can. This will allow software’s and AI systems to provide an even better experience to humans in various applications. From detecting probable suicides and stopping them to playing mood-based music there is a wide variety of applications where emotion detection or mood detection can play a vital role in AI applications.

The system works on using Face-API for extracting the physiological signals and make a prediction. The results can be drawn out by scanning the person’s image through a camera and then correlate it with a training dataset to predict one’s state of emotions.

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| **Project Name** | **Functionalities** | **Tools** | **Group Member/Responsible** |
| Emotion Detection | 1. The web app will work in real time detcting emotions. 2. The App will try to guess the mood of the person in the video stream using the functionality of face Api. | 1. VS code 2. Html 3. CSS 4. JS 5. Jquery 6. Face-APi | Project will be done with both members helping each other.   * Tayyab Hameed(Fa19-BCS-080) * Usama Muhammad Channar(Fa19-BCS-083) |