

# Mood To Music

Recognise a variety of emotions from facial features, and recommend a playlist of songs to suit the mood.

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## AIM

1. Build a model to carry out the task of facial emotion recognition.
2. Use the predictions to start playing a playlist of songs, to suit the emotions detected.

## DATASET

We will use the [FER-13](#) dataset on kaggle to carry out the first task. The dataset has images divided into:

- Angry
- Disgust
- Fear
- Happy
- Sad
- Surprise
- Neutral

After emotion detection, we will generate a recommended playlist of songs. Here, we can use existing [spotify datasets](#), or create our own.

## APPROACH

1. Implement CNNs, for the image classification task. We can try out transfer learning, or build our own network.
2. Generate a playlist of songs using a recommender system, based on the emotion detected.
3. Deploy  
We will deploy the best suitable model. We are planning to use a web app so that anyone can use that easily.

## Team Members

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