

## Main Project Abstract

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# AI COUNSELLOR

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The AI counsellor is a speech emotion recognition system. It attempting to recognize human emotion and effective states from speech. This is capitalizing on the fact that voice often reflects underlying emotion through tone and pitch. The AI counsellor relies on student emotion through voice input. This may be for counseling sessions via automated phone calls or chat-bots. AI counsellor filtered and assigned counsellors based on emotions.

This project consist of Modules:

### I. Gender Recognition

Use dataset of 3000 observation of both male and female. Check Mean ,median and mode frequency ,first ,third and inter quantile,spectral entropy and modulation. Then compare target and independent variables using histogram

### II. Emotion Sensing

Use data set of 24 actors having sound modulation sad ,happy,angry etc.

A function is defined to extract the features .

Extract the feeling using glob function.

Train the model and initialize MLPclassifier for classification.

Evaluate individual voice to train model to classify the emotion.

### III. Assigning Counsellor

Student assign to counsellor based on recognized emotion.

Each counsellor classified basis of priority of emotion that they handle.

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