CS6300 - Speech Technology: Laboratory 3

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Deadline: March 19, 11:59 pm

1. Compute the spectrum using Linear Prediction analysis.

2. Extract formants, and plot the formant contours.

3. Perform VAD using zero crossing rate and short-term energy.

4. Extract pitch using autocorrelation method or cepstrum method after performing VAD.

5. Record a male and female voice for the sentence "We were away a year ago." Compute the spectrogram, perform VAD, extract formants and pitch. Overlay the formant and pitch curves on the spectrogram.