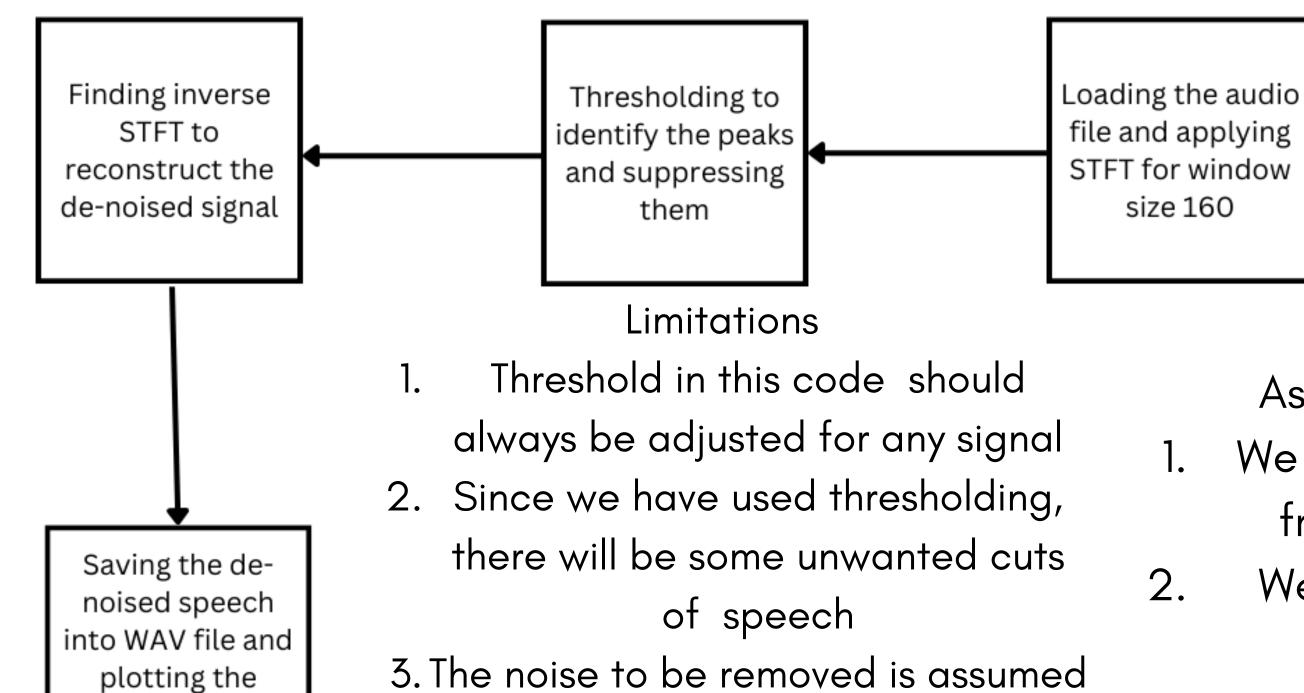


DSP PROJECT

TEAM 7

20 April, 2024



to be distributed uniformly across

the frequency spectrum and not

highly localized.

Also if the beep amplitudes are

almost equal to signal,

then this code fails

spectrogram of

de-noised speech

frame size or window size.

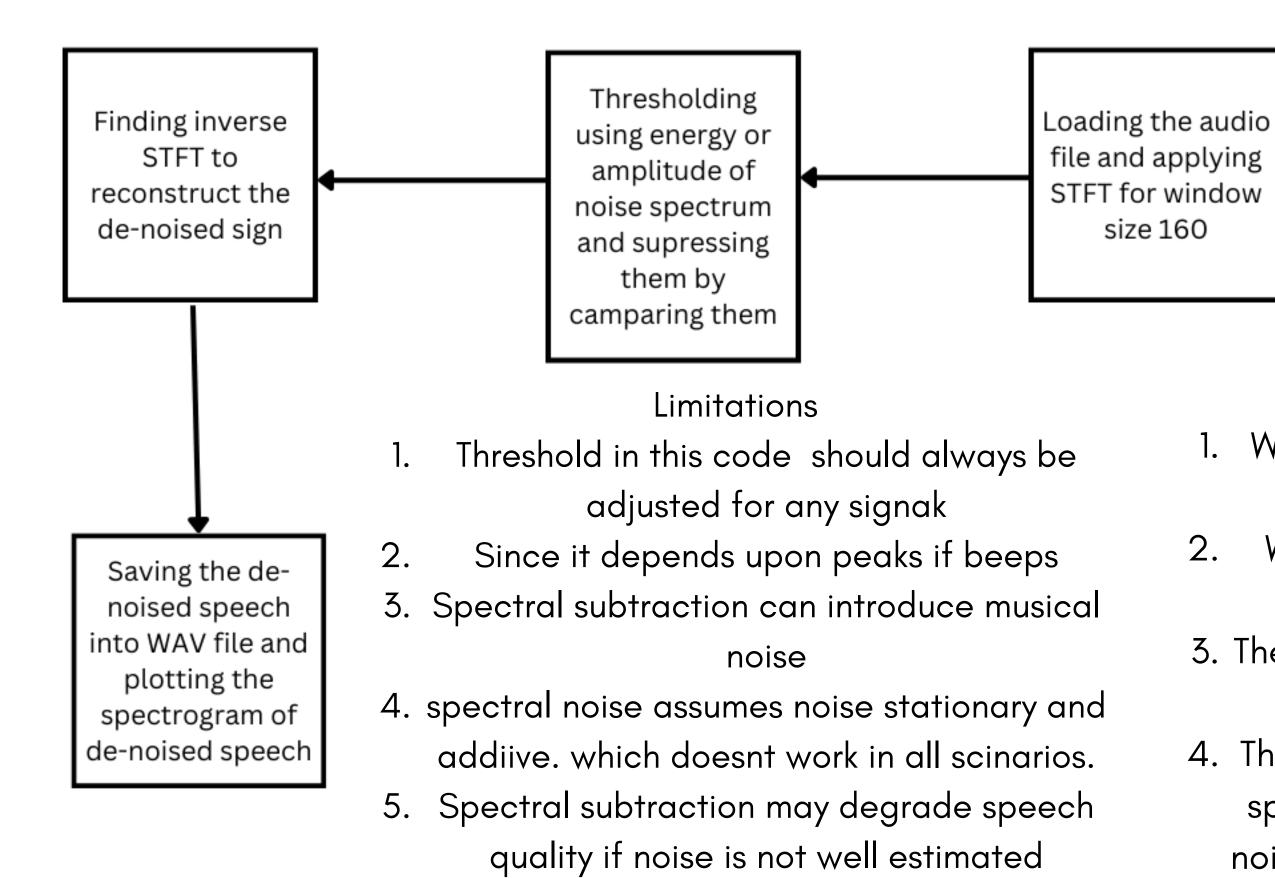
2. We took hanning window for

Assumptions in my code:

We took overlap size as half of

better results in stft.

- The frequency components exceeding the threshold are noise.
- 4. We also took mean as the parameter for thresholding
- 5. Also, we assume the peaks of noise to be zero



Assumptions in my code:

- We again took overlap size as half of frame size or window size.
- 2. We took hanning window for better results in stft.
- 3. The noise in the input signal is assumed to be stationary
- 4. The thresholding method assumes that spectral components above a certain noise threshold are primarily dominated by speech signal, and those below are dominated by noise