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Rn -02

Div -ICB

Conclusion-

In this project the noise is removed from the audio with the help of three filters. i.e. Bandpass filter, Band stop Filter and High pass Filter. FFT of all the signals is plotted to see the signal in frequency domain. Respective cut-off frequency is given to eliminate the noise. Then after applying all three filters the filtered audio is obtained and its corresponding FFT is plotted.

Learning Outcomes-

- Through this project I learned multiple things such as plotting audio file in time and frequency domains.
- I also got know terms like filter order, cut-off frequency and its corresponding python functions.
- I got know various libraries such as matplotlib.pyplot ,scipy ,winsound and their corresponding functions for plotting, playing sound file etc.
- I also saw functions in python which are used to calculate the FFT and to set the filters.
- I got the know the flow of program to remove unwanted noise from audio