

Home Assignment

Background Noise Suppression

Task

You are given an audio file which contains a speech with a background noise. Your goal is to generate an audio file which contains only the speech.

You are free to pick any technique for the solution. Depending on the approach feel free to use any open-source datasets and pretrained models.

If time allows, please provide with next steps to enable deployment of the solution on a mobile platform.

Audio Samples

2 different scenarios:

- Speech at a cafeteria
- Speech at a subway station

Check the attached **audio_samples.zip** file for the audio samples.

Programming environment

Python

If you have any questions, please do not hesitate to contact us.