ECE3001 Project: Speaker Identification
Part I: Data Collection

1 Overview

The ECE3001 project is designed for speaker identification, which is a crucial task in the field of signal processing and machine learning. Speaker identification aims to determine the identity of a person based on his/her speech characteristics.

2 Procedures

1. Record your own voice on your phone for 10 minutes. You can read the material at the link TED talk at a constant speed, in any language (Mandarin, English, dialect, etc.)
2. Convert the audio file to WAV format. It is recommended to use online video conversion tools like "迅捷视频转换器"

3. Segment the audio file (WAV format) into 10-second files by running the code provided "Split_audio.py" and save the 60 files as
   - `id219040062_01.wav`
   - ...
   - `id219040062_60.wav`
4. Make sure to create a folder named `idstudent_id` (i.e.,`id219040062`) first, and all 60 segmented audio files should be stored inside.
5. Finally, compress the folder into a ZIP file named `idstudent_id.zip` (i.e.,`id219040062.zip`) and submit the zip file to the assignment link on the Blackboard.