**Name:**

**Instructions:**

1. **Open Google Teachable Machine for Audio Classification:**

* Go to the website: [Google Teachable Machine Audio](https://teachablemachine.withgoogle.com/train/audio).
* Choose the "Audio Project" option and start a new project.

1. **Gather Audio Samples:**

* Record or upload audio samples for different categories (e.g., speech, clapping, background noise).
* You can try this project with your parents .
* Make sure each category has minimum 60 seconds of audio samples, enough audio data for training. You can recite a poem or read a paragraph.
* Refer to this YouTube Tutorial -<https://www.youtube.com/watch?v=42XQvnxFJqA>

1. **Train the Model:**

* After adding your audio samples, click the "Train Model" button to start the training process.
* Wait for the model to train. The process may take a few minutes depending on the amount of data.

1. **Evaluate and Test the Model:**

* Once training is complete, test your model with live audio input or pre-recorded files.
* Capture screenshots of the accuracy and classification results.
* Upload your model to get a shareable link for submission.

**Software link -** <https://teachablemachine.withgoogle.com/>

**YouTube Link:** <https://www.youtube.com/watch?v=42XQvnxFJqA>

**Problem statement:**

In this assignment, you will develop an audio classification model that can categorize sounds such as your voice, parent’s voice and background noise. Using Google Teachable Machine's audio training tools, your task is to create and train a model that can accurately classify audio inputs in real-time.

Model link:

Screenshots