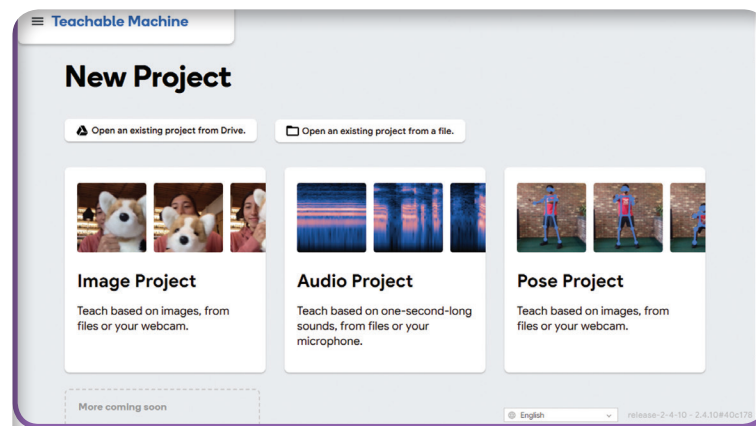


AI IN ACTION

Whistle vs. Clap Detector

To detect whistle and clap audio in Google Teachable Machine, follow the given steps:

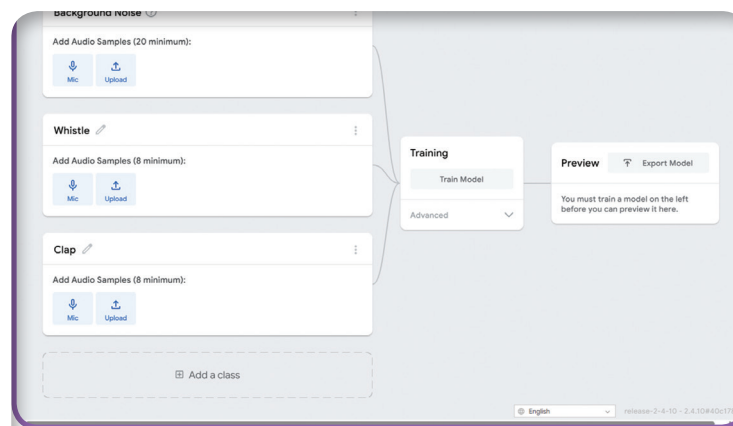
STEP - 1 Click on the Audio Project.



STEP - 2 Click on the Class 2 and rename it to Whistle.

STEP - 3 Add one more class by clicking on the Add a Class button and rename it to Clap.

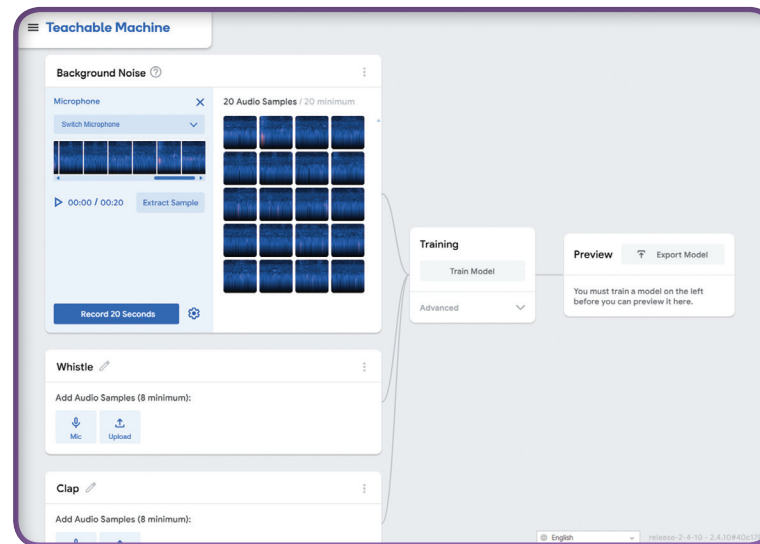
STEP - 4 Click on the Mic button inside the default Background Noise class. This teaches the model what silence or normal background sound is.



STEP - 5 Click on the Record 20 Seconds button to record background noise. You can also change the duration by clicking on the Setting button.

STEP - 6

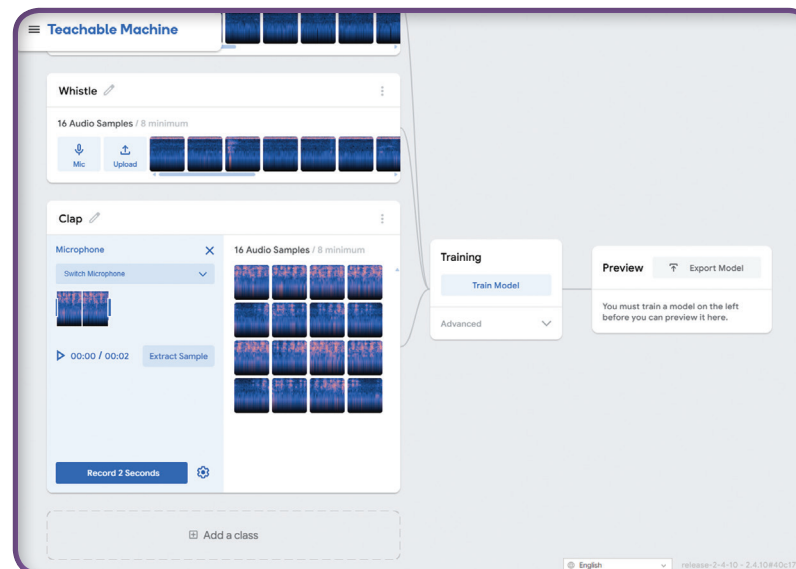
After completing the recording, click on the Extract Sample button to add audio samples.



Similarly, add audio samples to class Whistle and Clap.

STEP - 7

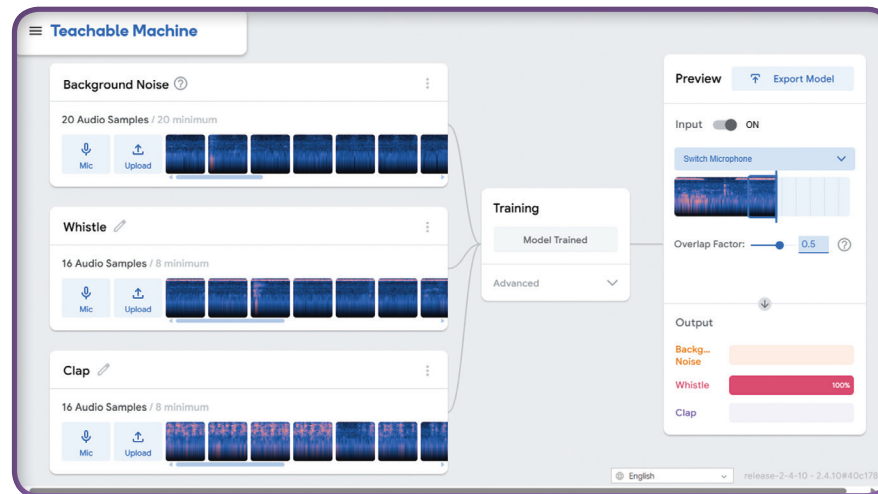
Click on the Train Model button.



The system will now analyse all your audio samples (Background Noise, Whistle and Clap) to learn their unique sound patterns.

Once training is finished, the button will change to say Model Trained.

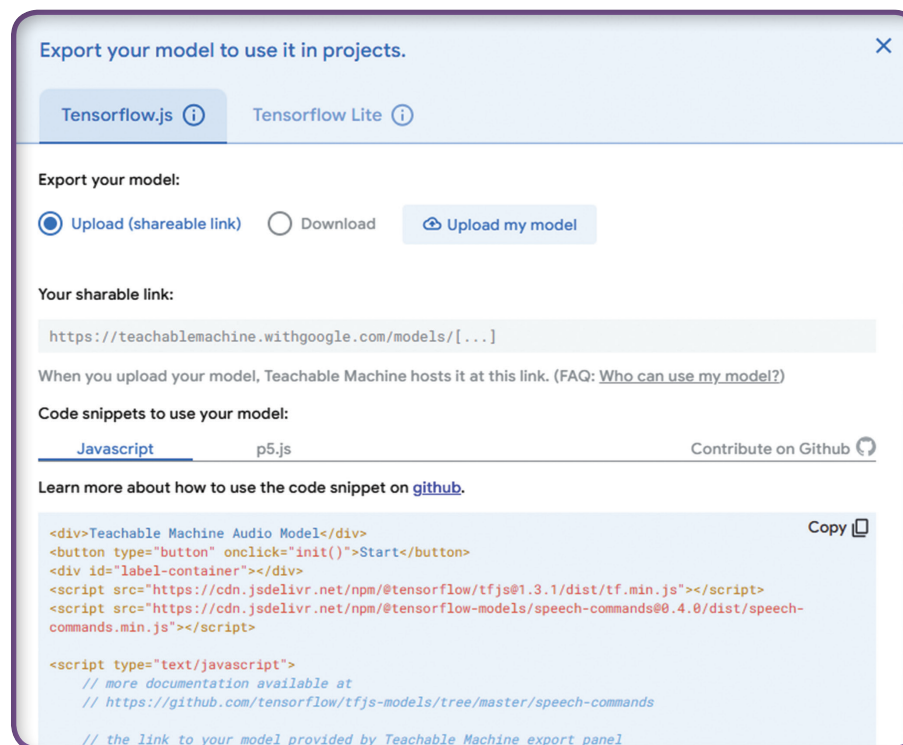
The Preview section will now live-update. As it listens through your microphone, it will show a confidence percentage for each sound class (Background Noise, Whistle and Clap).



STEP - 8

Click on the Export Model button after satisfying with the model's accuracy. You will see several options for exporting:

- Upload (shareable link): This option generates a shareable link to your model hosted by Google Teachable Machine.
- Download: This option allows you to download the model to your device.



Once exported, you can use the model in your projects for real-time predictions.