

# ODIO

Team Zeng. IIT Guwahati  
Pulak Kuli  
Chinmoy Jyoti Kathar  
Nayanjyoti Kakati

App Link: <https://narny29.github.io/>

## Documentation

# App Overview

This app is targeted towards the type of audience that wants to create music but can't play an instrument. The app will provide a platform for them to record their voice in humming or beat boxing. It will then convert the beat boxing into respective drum beats and the humming into their choice of instrument.

## Targeted Audience

Anyone who can hum or beat box and wants to create music at their fingertips.

## Current Available features

The app is currently in its beta stage and currently offers the following features:-

### a) Beat Box to Drum-

It converts beat box corresponding to the following classes-bass, clap, crash and snare.

## b) Humm to Simulated instruments-

We have developed a voice to pitch mapping mechanism which converts voice input to an array of pitch samples and this can in turn be converted into sound as the desired musical instrument.