

DSP LAB PROJECTS

Project 1

- ❖ **Task 1** - Observe Spectrogram of concatenation of three/five sinusoids.
- ❖ **Task 2** - Observe Spectrogram of addition of three/five sinusoids.
- ❖ **Task 3** - Observe the difference between sound and sounds commands.
- ❖ **Task 4** - Observe spectrogram of an audio file.

Project 2

- ❖ **Task 1** - Take one image and do the following processing -
 - (a) Blur
 - (b) Sharp
 - (c) Edge Detection
- ❖ **Task 2** - Plot FFT of image taken and then pass it through low pass and high pass filters.
- ❖ **Task 3** - After passing it from filters. Plot inverse FFT of that image.
- ❖ **Task 4** - Plot histogram (Frequency Vs Intensity) of image taken.