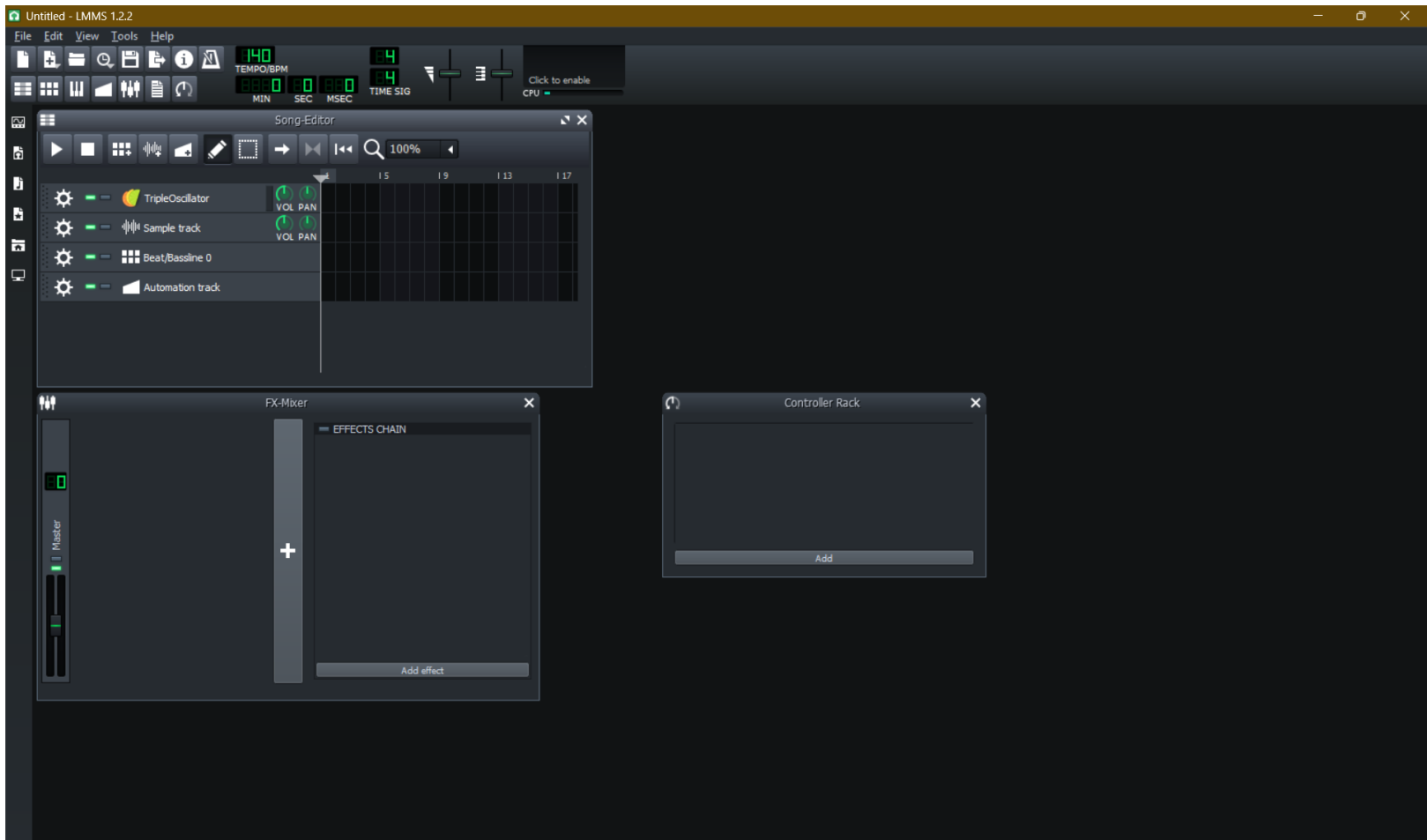


Software Name:LMMS

Presenter: Shivam Bhatt(92301733046)

# Homescreen



# Plugin



# Experimental Task 1: Basic Oscillator (Sine Wave Generator)

## Steps:

- Open LMMS and go to Instrument Plugins.
- Add a new plugin (e.g., Triple Oscillator) to your project.
- Open the plugin window → set waveform to Sine.
- Adjust frequency using pitch control knob.
- Change amplitude using volume slider.
- Play notes using the on-screen piano or connected MIDI keyboard.
- Observe real-time sine wave generation in LMMS.



# Experimental Task 2:

## Steps:

- Use the oscillator plugin from Experiment 1 as sound source.
- Go to Effect Plugins in LMMS and choose LADSPA Filters → Low-Pass Filter.
- Connect the oscillator plugin output → filter input.
- Open filter GUI and adjust Cutoff Frequency.
- Play the oscillator sound and lower the cutoff to remove high frequencies.
- Adjust Resonance knob to emphasize cutoff edge.

