

ICT PRACTICAL WORKSHEET - STD VIII

Worksheet No	3.1
Name of Chapter	Digital Music
Name of Activity	Create a Basic Rhythm Pattern using LMMS
Software Used	LMMS (Linux Multimedia Studio)
Time	40 Minutes

Order of Events

Opening the Software	Click on the Show Applications icon (nine dots) or press the Super key. Type LMMS in the search bar and open it.
Familiarizing with the Interface	Observe the main windows: Song-Editor, FX-Mixer, and Controller Rack. Close the FX-Mixer and Controller Rack for now.
Setting the Tempo	In the main window, locate the TEMPO/BPM section. Ensure the tempo is set to 120 by hovering the mouse over it and scrolling.
Opening Beat+Bassline Editor	In the Song-Editor window, double-click on the Beat+Bassline track to open the Beat+Bassline Editor.
Creating a Basic Rhythm	In the Beat+Bassline Editor, click on the blocks in the first instrument track to create a simple rhythmic pattern.
Playing the Rhythm	Click the Play button in the Beat+Bassline Editor to listen to the rhythm you created.
Adding a New Instrument	In the Sidebar, click My Samples → drums . Double-click on kick01 to add it as a new track in the Beat+Bassline Editor.
Creating a Complex Rhythm	Create a rhythm pattern for the kick01 instrument by clicking blocks in its track. Listen to the combined rhythm.
Saving the Project	Click File → Save . Save the project as my_rhythm.mmpz in your folder.
Finishing	Close LMMS.

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Worksheet No	3.2
Name of Chapter	Digital Music
Name of Activity	Arrange Rhythm in Song-Editor and Create a Melody
Software Used	LMMS (Linux Multimedia Studio)
Time	40 Minutes

Order of Events

Opening the Saved Project	Open LMMS. Click File → Open and select your saved project <code>my_rhythm.mmpz</code> .
Arranging Rhythm in Song-Editor	In the Song-Editor, click on the timeline to the right of the Beat+Bassline track to create multiple blocks of your rhythm pattern.
Adding a Melody Instrument	In the Sidebar, go to My Samples → misc . Find the tone <code>dong03</code> and drag it into the Song-Editor window.
Opening Piano-Roll	Double-click on the first block of the <code>dong03</code> track in the Song-Editor timeline to open the Piano-Roll window.
Creating a Simple Melody	In the Piano-Roll window, click on the grid to place notes and create a simple melody. Use the mouse to adjust note length and position.
Playing the Melody with Rhythm	Click the Play button in the main transport controls to listen to your melody along with the rhythm.
Using the Record Function	In the Piano-Roll, click the Record button and play notes on the on-screen keyboard or a connected MIDI keyboard to record a melody in real-time.
Editing Notes	Right-click on any misplaced notes in the Piano-Roll and select Delete to remove them. Adjust other notes as needed.
Saving the Updated Project	Press Ctrl+S to save your progress.

Opening the Saved Project	Open LMMS. Click File → Open and select your saved project <code>my_rhythm.mmpz</code> .
Finishing	Close the Piano-Roll window.

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Worksheet No	3.3
Name of Chapter	Digital Music
Name of Activity	Finalize Music and Export as Audio File
Software Used	LMMS (Linux Multimedia Studio)
Time	40 Minutes

Order of Events

Opening the Project	Open LMMS and open your project file <code>my_rhythm.mmpz</code> .
Reviewing the Composition	Play your entire composition from the beginning using the main Play button to review the rhythm and melody together.
Adding More Instruments	To enrich your music, add one more instrument from My Samples (e.g., piano or strings) to the Song-Editor.
Creating a Melody for the New Instrument	Double-click the new instrument's block, open its Piano-Roll, and create a complementary melody or harmony.
Adjusting Note Velocity	In the Piano-Roll, select individual notes and adjust their Velocity (volume) in the bottom panel to create dynamic variation.
Final Arrangement in Song-Editor	In the Song-Editor, arrange the blocks for all tracks (Beat+Bassline , dong03 , new instrument) to structure your song.
Exporting the Project	Click File → Export . Choose OGG Vorbis or WAV as the format. Save the file as <code>my_background_music.ogg</code> .
Listening to the Exported File	Navigate to the saved <code>my_background_music.ogg</code> file and double-click to play it in your media player.
Creating Project Report	Open a text document and write a brief description of the instruments and rhythms you used. Save it as

Opening the Project	Open LMMS and open your project file <code>my_rhythm.mmpz</code> .
	<code>music_project_report.txt</code> .
Finishing	Close all applications.