**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

INNOVATIONS IN TEACHING LEARNING PRACTICES

Year/Sem : **III & V**

Dept of Course bandled : **ECE**

Course Code : **EC8553**

Course Name : **DISCRETE-TIME SIGNAL PROCESSING**

S. No.	Name of the Activity	Details	Mapped COs, POs & PSOs	
1	Activity-Based Learning	Real-Time Signal Processing with Audio Signals	**CO**	CO2
			PO	PO1, PO3, PO4, PO5, PO9, PO10, PO11, P12
			PSO	PSO1
2	Case study	Spectrum Analyzer	**CO**	CO5
			PO	PO1, PO9, PO10
			PSO	PSO1
3	CODING COMPETITION - DSP HACKATHON	Organize a coding competition where students implement DSP algorithms to solve specific problems	**CO**	CO1, CO2,CO3,CO4,CO5
			PO	PO1, PO3, PO4, PO5, PO9, PO10, PO11, P12
			PSO	PSO1,PSO2, PSO3

PROOF 1
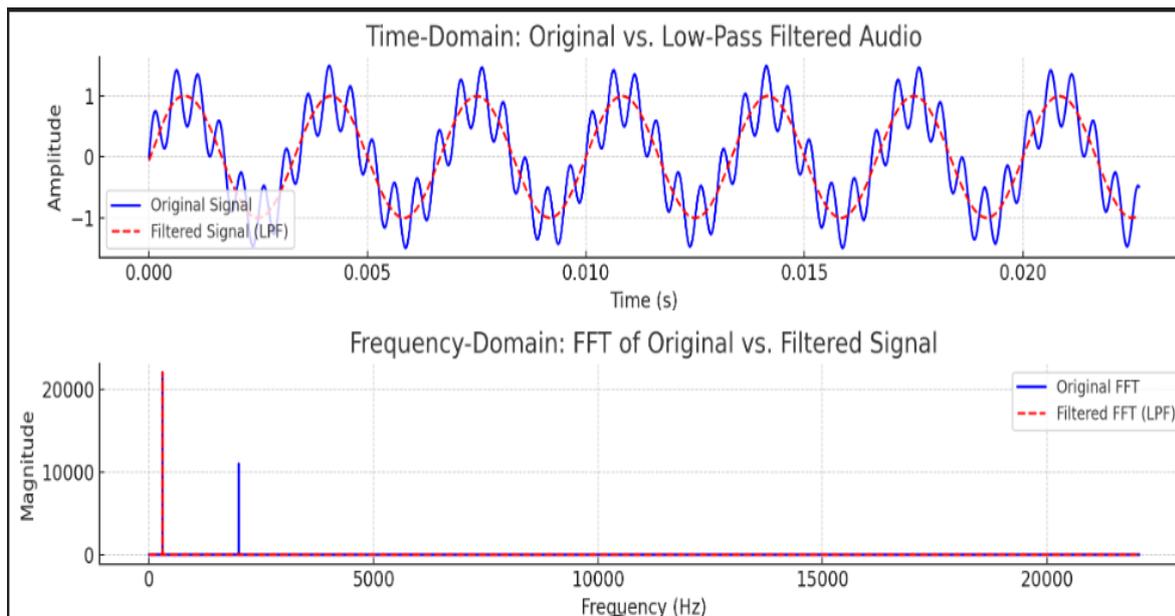
PROOF 2

The MXA signal analyzer offers a robust performance in virtual identification of any wireless device signals with evolving testing demands including contemporary parametric or RF functional tests. – Source: Keysight

This article will look at the different types of spectrum analyzers, how they work, and their uses. This information will help you understand how to reliably detect and characterize RF signals that change over time.

PROOF 3