

Slid 1 Signal processing is a fundamental field of study in electrical engineering and computer science that deals with analyzing, modifying, and interpreting signals. Filter design can be a challenging task due to various factors and requirements like Specification Complexity, Trade-offs, Filter Type Selection, and so on. Slid 2 Objective: Design a signal filtering system using MATLAB/OCTAVE to get ride of specific frequecnies. Filters are often employed to eliminate frequencies and may significantly change the tone of any audio. Output: Obtain filtered signals for analysis and visualization. MATLAB/OCTAVE: Powerful tools .for efficient filter design and processing