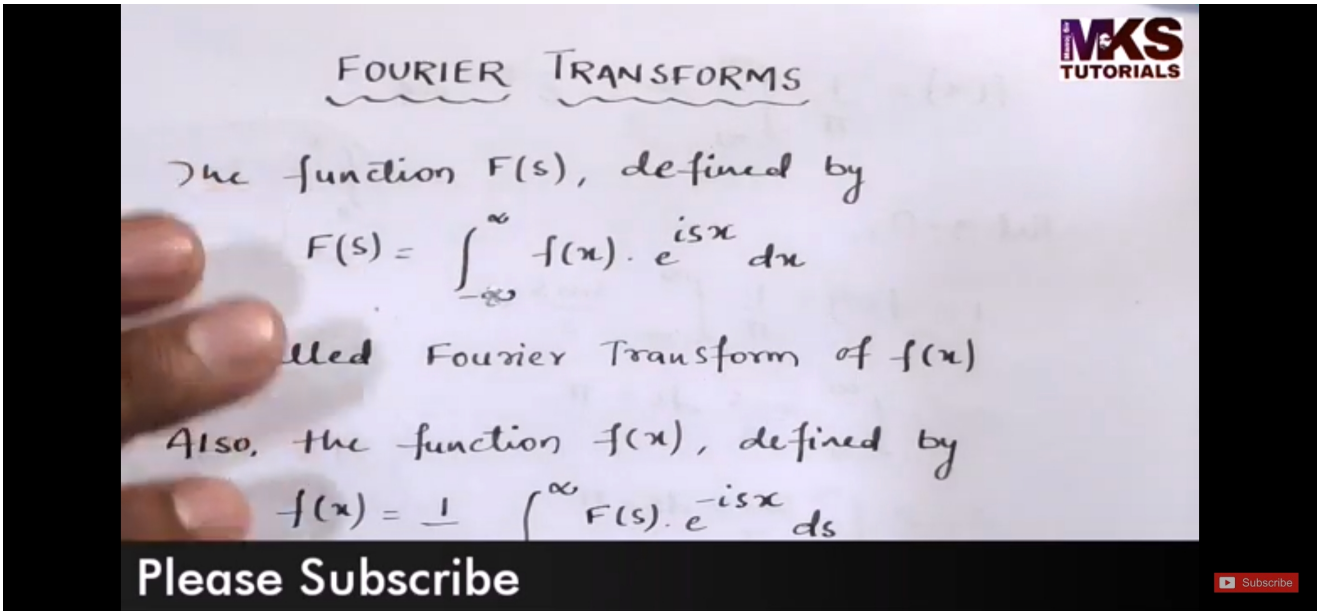
DAILY ASSESSMENT FORMAT

Date:	27-05-2020	Name:	Jagadeesha Hegde
Course:	DIGITAL SIGNAL PROCESSING	USN:	4AL17EC036
Topic:	• Fourier Transforms • FFT • FFT Fast Fourier Transform Matlab • FIR and IIR Filters • Study and analysis FIR and IIR using FDA tool in MatLab • Introduction to WT • CWT & DWT • Implementation of signal Filtering signal using WT in MatLAb • Short-time Fourier Transform and the Spectogram • Welch's method and windowing • ECG Signal Analysis Using MATLAB	Semester & Section:	6th A-sec
Github Repository:	Jagadeesha-036		

FORENOON SESSION DETAILS
Image of session


FOURIER TRANSFORMS
The function F(s), defined by
$F(s) = \int_{-\infty}^{\infty} f(x) \cdot e^{isx} dx$
lled Fourier Transform of f(x)
Also, the function f(x), defined by
$f(x) = \frac{1}{} \int^{\infty} F(s) \cdot e^{-isx} ds$
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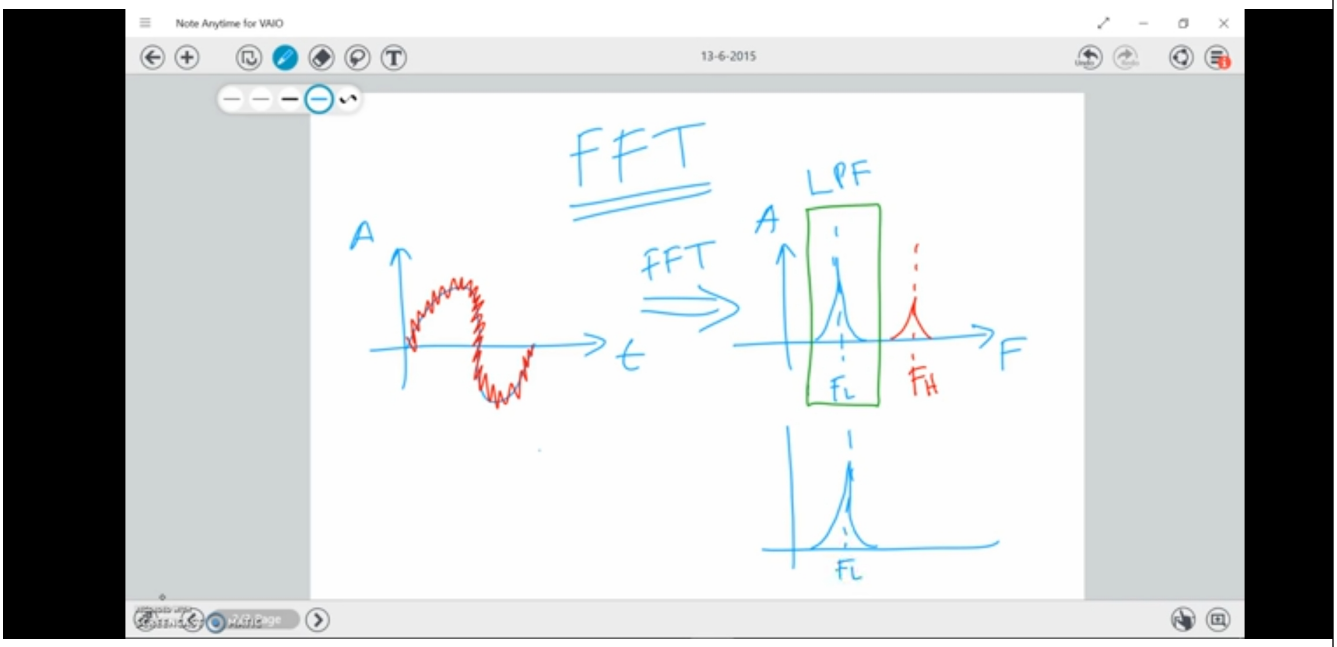
Note Anytime for VAIO
13-6-2015
FFT
A
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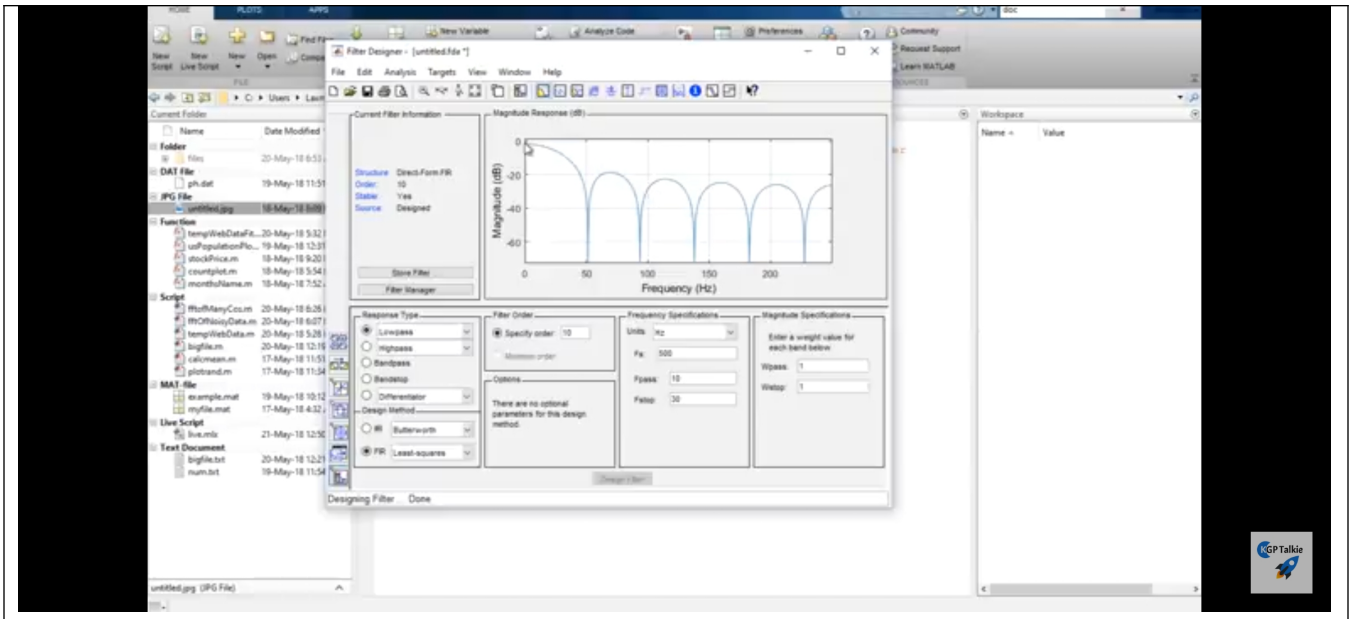
F_H
F_L


Filter Designer - [untitled.fda *]
File Edit Analysis Targets View Window Help
Current Filter Information
Structure: Direct-Form FIR
Order: 10
Stable: Yes
Source: Designed
Store Filter
Filter Manager
Magnitude Response (dB)
Magnitude (dB)
Frequency (Hz)
Response Type
Lowpass
Highpass
Bandpass
Bandstop
Differentiator
Design Method
IIR Butterworth
FIR Least-squares
Filter Order
Specify order: 10
Minimum order
Options
There are no optional parameters for this design method.
Frequency Specifications
Units: Hz
Fs: 500
Fpass: 10
Fstop: 30
Magnitude Specifications
Enter a weight value for each band below
Wpass: 1
Wstop: 1
Design Filter
Designing Filter... Done
Workspace
Name
Value
GP Talkie