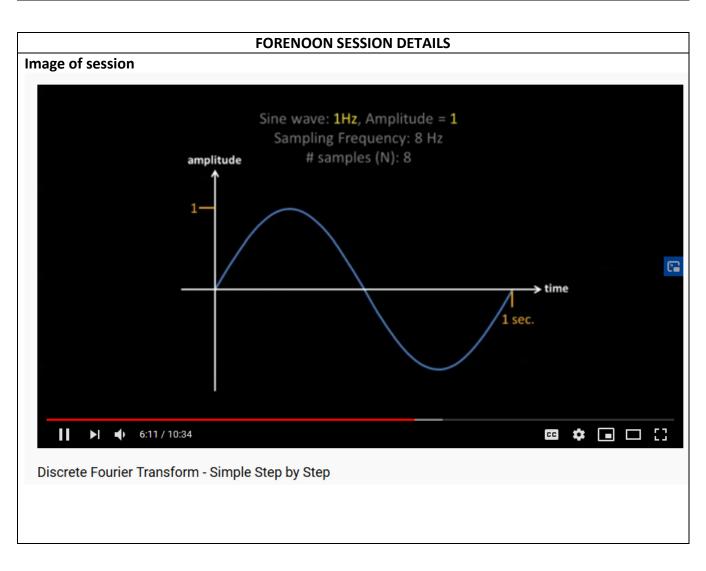
#### **DAILY ASSESSMENT FORMAT**

Date:	25 may 2020	Name:	Nishanth
Course:	Digitial signal processing	USN:	4al17ec063
Topic:	1.Introduction to Fourier Series & Fourier Transform 2.Fourier Series – Part 1 3.Fourier Series – Part 2 4.Inner Product in Hilbert Transform 5.Complex Fourier Series. Fourier Series using MATLAB(Use Octave to execute the code) 6. Fourier Series using Python (Experience implementation using Python) 7. Fourier Series and Gibbs Phenomena Using MATLAB	Semester & Section:	6 <sup>th</sup> & B
Github Repository:	nishanthvr		



## Report – Report can be typed or hand written for up to two pages.

Nishouth U.R UALITE(063

Digital Signal Processing

1) Introduction to fourier Sovier & formier transporm

dadabookow.com

spunies howfum is a "coordinate form"

(TFI) fourt focuses transform used to modern out processing advirtices

Fourier Servey

6(+)= 1 a0 + E (ak COS 2TIKT + bk Sw 2TIK+)

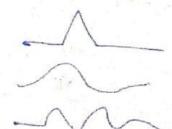
tourier bowlern  $x(0) = \int_{0}^{\infty} x(t) e^{-j2\pi/t} dt$ analyzy futh

aplitude -time

districte fourier transform continuous & (E)= 1 00 x (4) e d+

discret XK . E XM . 6 N N-1 -73450 Evaluaty at n to N

### Fourier Sover Part -2



Inner product in Hilbert Space (3.9) = 9 1 = 9 1 = E brgk = 19 ox = E IM g (w) DX complex town Sociel fax) = E CK e = E (KK+1/B) (cos (KV+1Su(KV)) Car = Ex 1 6 cm real Ty. 42 = 8 e Jr = dx = g e dr = 1 [e'G-10] = = 1 E (60) 410) 410

# Fower Sovier (python)

import numpy as np
import matphot psplat as Pit
from matphotorcom input get-congp
plt. receives get-comp

dx = 0+01

L= np-Pi

x= Lunp = avayer (-1+dox = 1+dox, dx)

n= (en(x)

n Squit = Int (np- bloom (n)4)

### Fourier Services or gibbs phenoney

and

plot (x, 1, t' 'honormodel ' u) held on

Pld (x. b'K', & Louerale' B)

Set (xb. poster, [1500,200, 2500, 1500

Alla

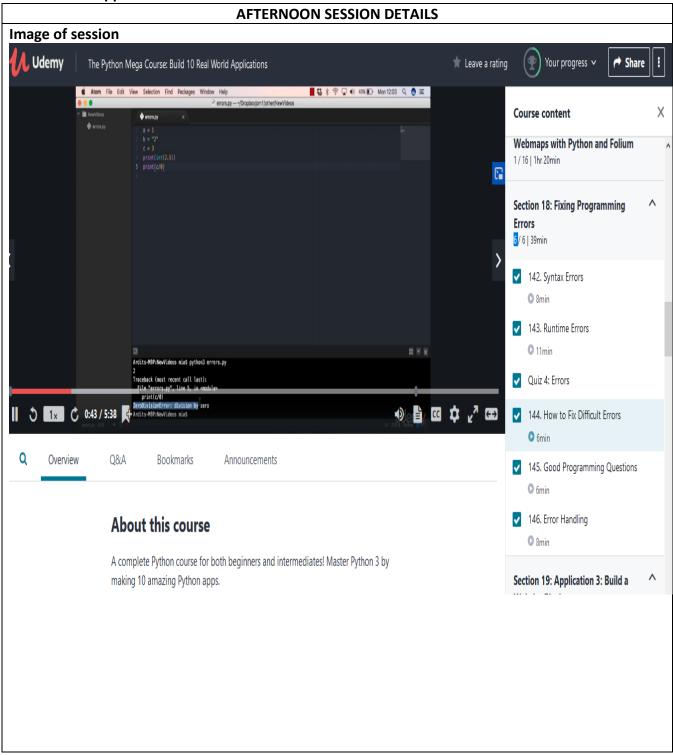
globs phon

Date: 25 may 2020 Name: nishanth

Course: python USN: 4al17ec063

Topic: Fixing programming error, Semester & 6<sup>th</sup> & B

Application 3 websites blocker Section:



```
Report – Report can be typed or hand written for up to two pages.
Error handling
1.syntax error
In this I learn how to check the syntax error how we can identify that in python
2. Runtime error
3.error handling
Application 3 websites blocker:
Program:
Import time
From.datetime.import.datetime as dt
Hosts temp=r"D:\Dropbox\pp\blocks_websites\Demo\hosts"
Hosts.path="/etc/hosts"
Redirect="127.0.0.1"
Website_list=["www.facebook.com","facebook.com"."dub119.mail.live.com", www.dub119.mail.live
.com
                   Else:
                        File.write(redirect+"."+.website+"\n")
               Else:
                    With.open(hosts.math,'c+')as.file:
                        Content=file.file.readlines()
                          File.seek(0)
                         For line in content:
                             If not any(websites.in line for websites in website.lists):
                                   File.write(line)
                        File.truncate()
                        Print("fun.hours....")
               Time.sleep(5)
```

