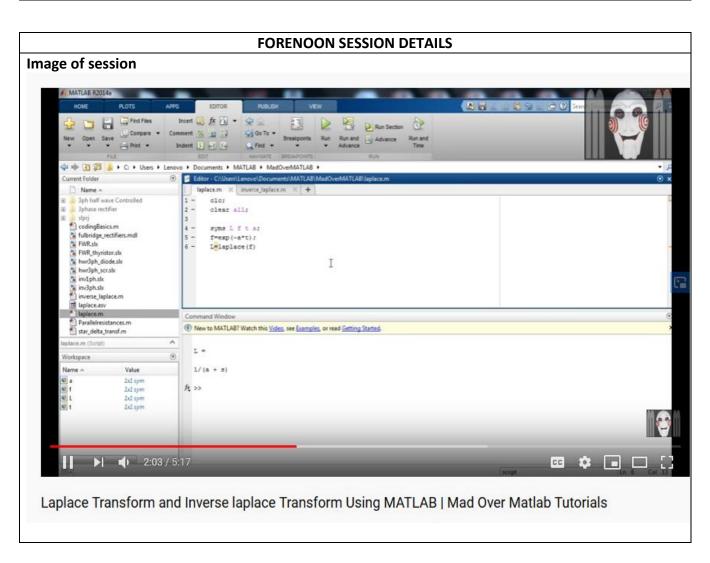
DAILY ASSESSMENT FORMAT

Date:	26 may 2020	Name:	nishanth
Course:	Digitial signal processing	USN:	4al17ec063
Topic:	1.Fourier Series & Gibbs Phenomena	Semester	6 th & B
	using Python	& Section:	
	2.Fourier Transform		
	3.Fourier Transform derivatives		
	4.Fourier Transform and Convolution		
	5.Intuition of Fourier Transform and		
	Laplace Transform		
	6.Laplace Transform of First order		
	7.Implementation of Laplace Transform		
	using Matlab		
	8.Applications of Z-Transform		
	9.Find the Z-Transform of sequence		
	using Matlab		
Github	nishanthvr		
Repository:			



```
Report – Report can be typed or hand written for up to two pages.
                                                 Nishanth
           Fousier Sesier and gibbs phenomena Coutton)
      80x7 € ak cos ( 1211x) +6x sin ( 1211t, )
      ak = ( P(x) + cne( k = xx))
      bk - Cbix), SIM ( + 2TTL))
    Python code
   code (python code)
      import numpy on np
      import modificatub. pyplot as plf
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      pit. rc params. update ( fitant. sige : 78 3)
      dol = 0.01
       Y = Dr phabi
      X = Op. arough (O, Lide ide)
       no lew (x)
       ((4/1) roold. for the floor (n/4))
       1 = np. 7005_like ()
       & In Equart: 3x Aquart = 1
       to -np. sum (bx np. oncer_like(x)) + docx 2/h
       JFS = NO/2 * np. ones_ UKECJ)
```

for 1 to rong c (1,101):

AK = np. sum (f + np. cos (2rnp · pi x K · x/n) r di · 2h BIC = np. sum (f v np. sin (2rnp. pi v K × 2/n) x dx r 2/n bFs = bFs + Alc. np. cos (2 v K r np. pi v x/n) + BK x np. sin (2 x k v np x pi v x/n)

P(x)

plf plot (x, b, color= 1 k', kinewidth = 2)

plf plot (x, b [], '-1, colors = 'V', kinewidth = 1.5)

pld · 8how ()

Fourier Soviel

Fourier transform

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b(x)=lin & sw Pb(Ele de eikows).

Box: Frow) = /5 Frow From einx dol

the fourier hamping and convolution Integral

the towier

intution behind forover and haplan transform

Laplan handom: first order Equestion

haplas fromform: 1st order Equipmentos to hampon

of fitt and yet are Feel and Ys

at prime From:
$$500$$
 while $dt = \left[\frac{e^{(\alpha-5)t}}{a-5}\right]_0^\infty = \frac{1}{5}$

Application of Z- handown

different Equiation model procen

It is relation between the different of as untrain furtor at one a more general vale

Dynastyne Z Oyn+1 + 1241-1=1 ou different Equiation

Unf2 fqunt1 + 30n = 3" 40=0, 41=1

7(Un+2)+412)(UnA)+37(Un)=2(3m)

22 [u(z)-40-41]+47[u(z)-40]+30(2)-7 1/2/>

72 [U(2)-0-/2)+HZ[U(2)-0]+3U(Z)=Z

(2"+4×+3)=2+ f2 = Z-2x

thun 10(2) - 2-2 (2-3)(2+1)(2+3) (2-3) (2+1) (2+3)

Hem

U(2) = 1 (2-3) (8(x+1) 12(x+3)

(V(2) Y24 (21) +3/8 ZH (5-X)

How to calculate the x transform in mothab

```
Syme h;

a = n+1;

b = \chi hanb(a);

disp(b)

prothy(b)

or

a = Srn(w'h);

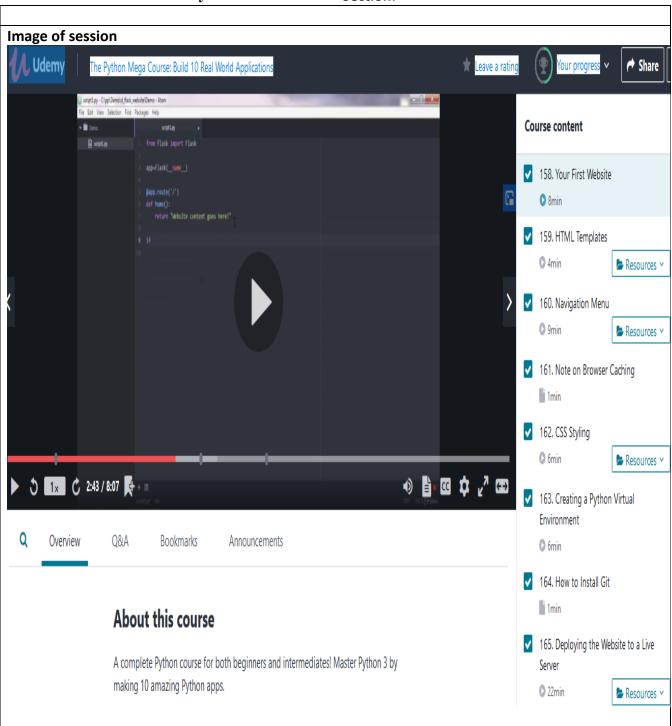
b = \chi henb(a);

disp(b)

Prothy(b)
```

Date: 26 may 2020 Name: nishanth
Course: python USN: 4al17ec063
Topic: Application 4: Build a Personal Semester & 6th & B

Website with Python and Flask Section:



```
Report – Report can be typed or hand written for up to two pages.
Your first website:
Program:
from flask import flask.render_template
App=flask(__name__)
@app.route('/')
def home():
     return render_template("home.html")
@app.route('/about')
def about():
    return render_templates("about.html")
if_name_=="_+main__":
     app.run(debug=True)
```