DAILY ASSESSMENT FORMAT

Date:	26-05-2020	Name:	M V Ramya
Course:	DSP	USN:	4AL17EC045
Topic:	Fourier transform	Semester & Section:	6th sem, A sec
Github Repository:	MVRamya-045		



```
01P :-
                           Day-2
               # Fourier Series and Gibbs Phenomen
                                                                                                                                                                                                                               # Jourily transform derivatives
                                                                                                                                                                                                                                              f'(\omega) = F(f(x)) = \int_{-\infty}^{\infty} f(x) t^{-j\omega t} dx
                      import numpy as op
                     import met. plotlib. pyplot as plt
                    plt. reparams [ 'figure . figsize '] = [ 4.8]
plt. reparams update ({ 'font. Size '; 18]).
                                                                                                                                                                                                                                    f f(s) = F = (+'(w)) = = 1 ( + f(w)e) w dw
                                                                                                                                                                                                                                F = \begin{cases} \frac{1}{2} & \frac{1}{2} 
                                                                                                                                                                                                                                             * F (+xy) = F(+) F(9) = F'g.
                       L = 2 xmp. pi
                                                                                                                                                                                                                                                       F (fg)(a) = 1/27 f (w)g (w) ejuldu = + x9
                      2 = np. arange (0, Ltds. dx)
                      n = Len(a)
                                                                                                                                                                                                                                                * Flw = f f(t) e intat

F(w) = f f(t) e intat

F(w) = f f(t) we will dt - i f f(t) sin (wt) dt
                 nquart = int (np. floor (n/4))
                       f = np. zeros_lile(2)
                       + [nquait: 3 *nquait] =1
                                                                                                                                                                                                                                               # Z- transform in MATLAG
              A0 = np . som (f * np . ones - 18/46 (x)) * dx + 2/4
                                                                                                                                                                                                                                                    syms n wo;
              fFS = Aolz * np.onu-lilec(f).
                                                                                                                                                                                                                                                        1. signal
               for 12 in range (1,101)
                                                                                                                                                                                                                                                        asntl
                                                                                                                                                                                                                                                     disp [ the input equation is');
                         Au=np.sum(f *np.cos(2*np.pt* K* X/L)) + da +4/L
                        BIC= np. sum (f + np. sin (2 * np. p1 + K + X/L)) * d8 +2/L
                                                                                                                                                                                                                                                        disp (a);
                                                                                                                                                                                                                                                     1. taking 7 - transform
                      FFS = FFS + Ax + np. ca(2*k +np.p) = 16(2) + Bx + np.sh
                                                                                                                                                                                   (2 x K&np.pla)
                                                                                                                                                                                                                                                   0/P: - a = 2"
                                                                                                                                                                                                                                                                         b = ztranslo)
   plt. plot (x,f, rolor = "14", linewidth = 2)
plt . plot (x, 4FS, '-', color = r', linewidth = 115)
   plf. show 1)
```

Date:26may2020 Name: MV Ramya



Course: python USN:4AL17EC045

Topic: python Semester & 6th sem Asec

Section:

AFTERNOON SESSION DETAILS Image of session | Uddrmy | The Python Mayor Course Build 10 lead blook Applications | The Share |

```
Python
  Application 4: Build a Personal website with P
                                                             (strong > Lnov>
      and fluster
                                                             < us class = " menu">
                                                             < a hop = "{{vol = for ("home")}} ">
 -> Building fist website
       first creat a python file and then write the war
                                                            (lix <a href = "{ {url - for & about 1) }} "> about <
              from flask import flask
              app = flask [-name]
              @ app. route (1/2)
                return "website content goes here"
              det home ():
                                                             If-name = "=main-";
                                                             </nov></strong>
                 appiron (debug true)
                                                             Cldr.
-> from flask import flash, sender template
                                                             </h
   app = flagle (_nume-)
                                                             < div. clay = "container">
  Qupp . route ['1')
   det home ();
         return render_template ("about html")
                                                                  1 1. block content 1. 3
  it - name = "main -"
                                                                  1 1, endblock 4.]
       app. run (debuy. Jrue)
< ! DOCTYPE html>
                                                                  & /div>
<html>
                                                                 < 1 body >
   < 600 dy >
     cheader >
                                                              Unime's
       Ldiv clay = "container">
       2 ni clast = "lay o" > Ardits web page alhis
```