Date 25 May 20. Course: Digital Signal processing Topic: Pay 1

Name: Harshitha-T USN: 4ALI7 EC106 Sernf : 6th sern & See Bsection

* Folloier transfer and wavelets coordinate transform u(x,y,t) $u_{t}= \alpha \nabla^{2} u.$

SVD: data - decre FFT

A FFT: fast touries transform is used to process as audio signals, video etc by compressing and representing efficiently by using FFT.

f(t): = a+ = (ax 6 211kt + bx sin 211kt)
where k -> frequency

ax. be - coefficient

* Fourier transforms

* Continues FT: X(F) = [x(x)e-j2116t dt.

& Innu products in Hilbert space:

$$\leq f(x), g(x) > = \int_{-\infty}^{\infty} f(x) g(x) dx.$$

```
tairies series using Maths:
  Clear all, dore all, de
  tique
  set (get, position; [1500, 200, 2000, 1200])
  L = Pi;
  N = 1024;
  dx = 2+ L/ (N-1);
  x = - Lidx; L;
                                 1 J 18 1 11
   t= 0. x;
   t = (N/4: N/2) = 4 * (1: N/4+1)/NS
  + (N/2+1; 3* N/4)= 1-4* (0:N/4-1)N;
   plot (x, t, -k; Lene width, 3:5), hold on
   ec = jet (20);
    A = sum (f. * ones (size(x)) * dalpi;
    6FS = A0[2.
   for K=1:20
       ACK) = 8cm (z. * cos (pi * x/1) * dx/pi;
        B(K) 2 8um (z. * 8in (pi * K * X/L) * da/pi;
        2FS = &FS+ ACK) + COS (K + pi + x/L) + B(K) + Sin
                                       (K*pi* X/L);
     plot (1, 6Fs, -, whor, cc(k,i); time width, 2)
       pause (.1)
    end.
                            or Clark to Carlo Art Paranti, March
```

```
Fourier earles using python.
= In CCI: import numpy as no
             import mat pottib. pyplot as plt
             from matplotlib. on import get-crap
             put. 8c pasams ['figure. fig size']:[8,3]
             ple. se pasarrs. update ( & fort siz : 18])
             dx = 10.001
             L = np-pi
              x: 1 " np. asange (Itdx, Itdx, dx)
              n: lin(x)
             aquart = int [rp, floor Colu)]
        6 = np. zeros_ (Stee (x)
        t[nquart: 2+nquart] = (u/n) * np. arrang (1. rquart)
        6[2* nquart: 3* nquart]: np. ones (nquart)-
                   (u(o) * np, assange (o, ng wort+1)
       tig-ax=plt, subplots()
      an plot (x, t = , color = le, lenewidth=2)
```

Pate: 25 May 20 Cousse: - python Topic: - Application 4 Namentlarshitha.T USN:-UALIZECIO6 Semg: 6th sem Su B seet

- * I haent, how the output will look like in case of personal website.
- * python website blocker is to block some certain websites which can distract the user during the specified amount of time.
- * Every system has hotst tile wheathe its MAC, windows.
 or linux.
- * Host file in windows: C: (Windows) System 32) drives lete
- Tt we deployed our website on Heroku but when we visit the website on the browses we will see an esses, we probably did something wrong during the deployment
- * Then we will get to know the wrong by Looking server Logs, You can access the server bogs by running the tollowing by your terminal: heboku logs
- * Using python file handling manipulation, we will write the host name in norts. tut and remove the lines after over working hours.
- * python can be used to build server-side web application
- However, most python develops write their web applications using combination of python and Java script.
- to python is executed on the server side while Java script is downloaded to the dient and own by the web browser

* After the process on different operating systems, there are certain set of sets to be followed an desktop to make the website blocker work

THE THE SECTION OF THE THEFT WAS TO SERVICE

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A After the settings are completed the system has to be restanted. And finally the website blocker works.