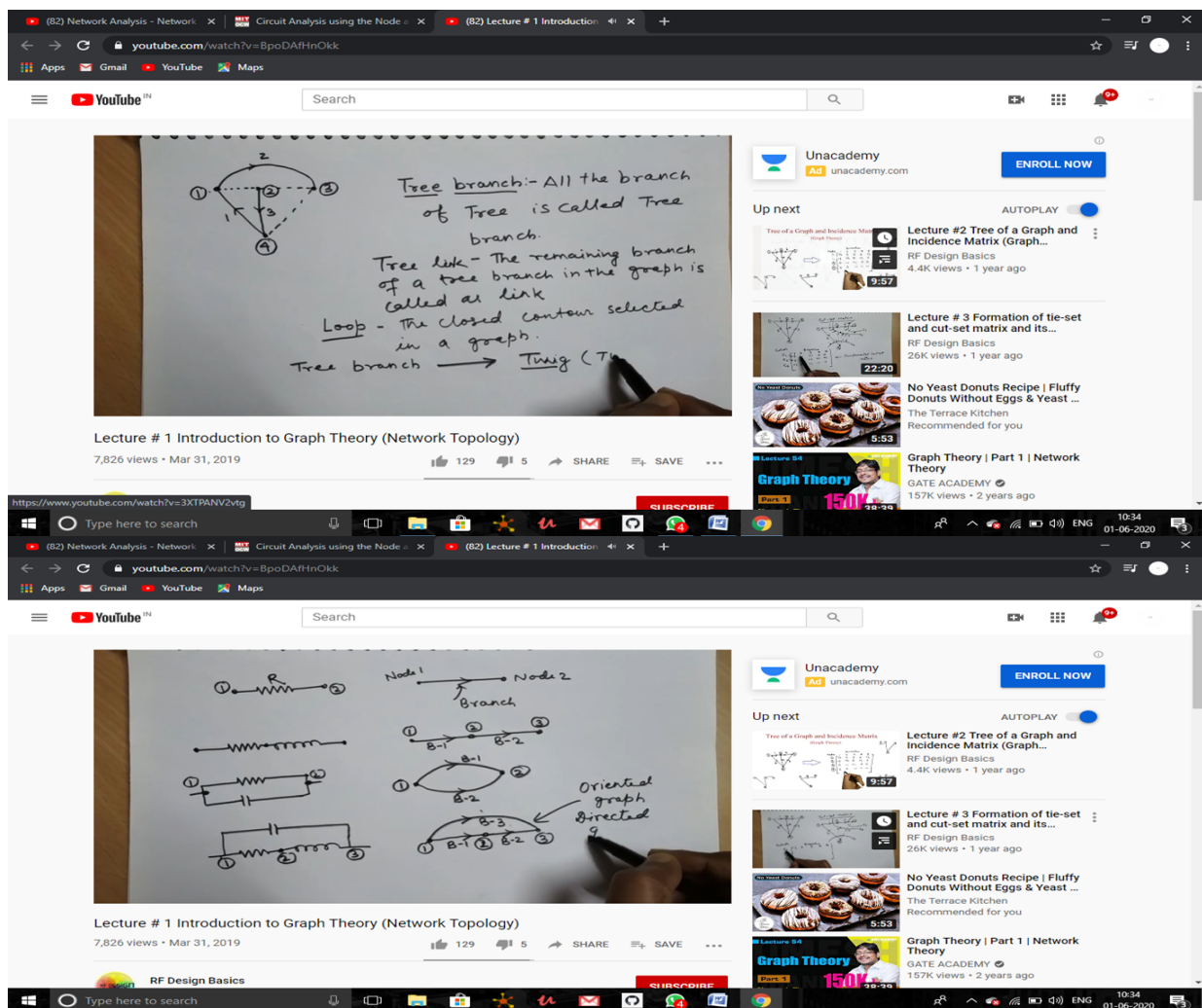


DAILY ASSESSMENT FORMAT

Date:	1 JUNE 2020	Name:	HARSHITHA H
Course:	ELECTRICAL NETWORK THEORY	USN:	4AL18EC020
Topic:	1.Network terminology 2.Basic circuit analysis and Network topology 3.Graph of a Network 4.Application in KCL and KVL	Semester & Section:	IV SEM & A SECTION
Github Repository:	harshithah		

FORENOON SESSION DETAILS

Image of session



Handwritten notes on a whiteboard showing a circuit diagram with four nodes (1, 2, 3, 4) and five branches (1, 2, 3, 4, 5). The circuit is a bridge-like structure with node 1 at the top left, node 2 at the top right, node 3 at the bottom right, and node 4 at the bottom left. Branches connect the nodes: 1-2, 2-3, 3-4, 4-1, and 1-3. A 'Cut-set Matrix' is shown with three rows (C1, C2, C3) and five columns (1, 2, 3, 4, 5). The matrix contains values: C1: [1, 2, 0, 0, 0], C2: [0, 0, 1, 0, 0], C3: [0, 0, 0, 1, 0]. A 'Fundamental cutset' is indicated by an arrow pointing to the matrix. Below the matrix is a table of values: C1: [1, 2, 0, 0, 0], C2: [0, 0, 1, 0, 0], C3: [0, 0, 0, 1, 0].

Lecture # 3 Formation of tie-set and cut-set matrix and its application in KVL and KCL
26,939 views • Apr 2, 2019

Report –

ELECTRICAL NETWORK THEORY

TOPICS COVERED:

1. Network terminology:

Identify-

- The different Nodes
- The junction Nodes
- Loops in the network

2. Basic circuits analysis and Network Topology:

Circuit analysis using:

- Node method
- Mesh method

3. Graph of the network

4. Tree of a Graph and Incidence Matrix

5. Formation of tie-set and cut-set matrix and its application in KVL and KCL

Date:1 JUNE 2020	Name:HARSHITHA H
Course: PYTHON	USN: 4AL18EC020
Topic: 1.Interactive data visualization with Bokeh	Semester & Section: IV SEM & A SECTION
2.Webscraping with python beautiful soup	

AFTERNOON SESSION DETAILS

Image of session

The top screenshot displays a line plot titled "226. Introduction to Bokeh". The y-axis ranges from 0 to 100, and the x-axis shows dates from May 05 to May 07. The plot shows a fluctuating line representing data over time.

The bottom screenshot displays a code editor titled "231. Using Bokeh with Pandas". The code is as follows:

```

from bokeh.plotting import figure
from bokeh.io import output_file, show

#prepare some data
x=[1,2,3,4,5]
y=[12,15,18,16,14]

#prepare the output file
output_file("line.html")

#create a figure object
f=figure()

#create line plot
f.line(x,y)

#write the plot in the figure object
show(f)

In [3]: #creating a basic bokeh line graph
#importing bokeh and pandas
from bokeh.plotting import figure
from bokeh.io import output_file, show
import pandas

#prepare some data
df=pandas.read_csv("data.csv")
x=df["x"]
y=df["y"]

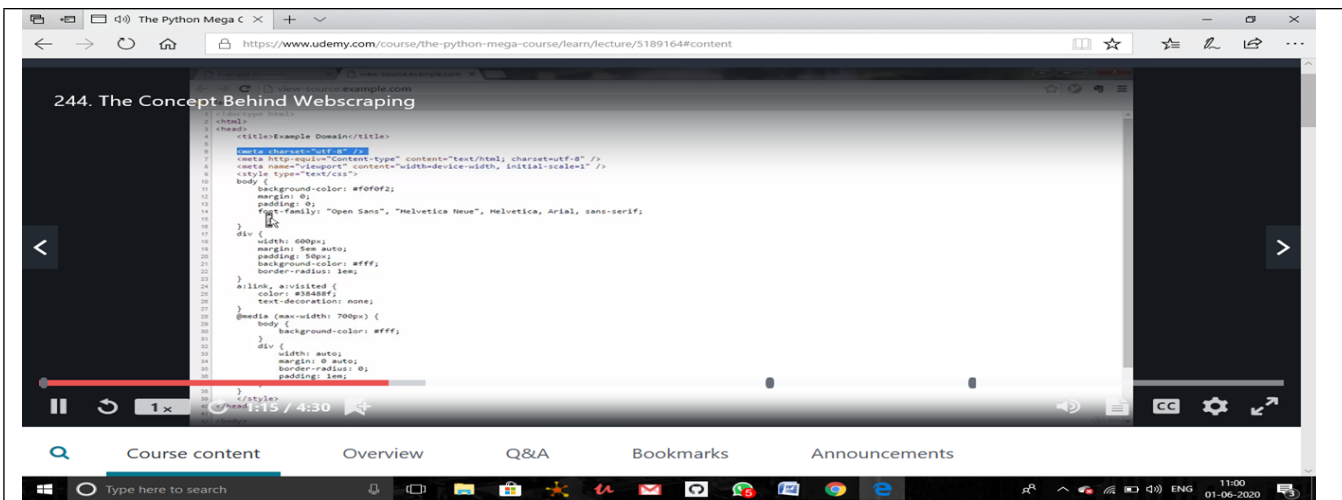
#prepare the output file
output_file("line.html")

#create a figure object
f=figure()

#create line plot
f.line(x,y)

#write the plot in the figure object
show(f)

```



Report –

PYTHON:

1. Interactive Data Visualization with Bokeh

- Plotting triangles and circles Glyphs
- Using Bokeh with Pandas
- Plotting weather data
- Visual attributes
- Time-series plot
- Plotting time intervals of motion detector
- Hover tool implementation

2. Webscraping with Python Beautiful Soup

- The concept behind Webscraping
- Request headers
- Webscraping example

