

School: SOET	Campus:
Academic Year: 2021/25 Subject Name:	DAVP Subject Code: Cutm1018 Branch: ECE Specialization: ECE
Semester: 9Th Program: B. Tech	Branch: ECE Specialization: ECE
Date:	
	ction Learning

(Learning by Doing and Discovery

Jame of the Experiement: Build a vieal-time updating graph coding Phase: Pseudo Code / Flow Chart / Algorithm of weather (and fing. Using Dayh to visuation

s load the dataset using 'Pd. read_csv(1',

convert the 'formatted Date' column to date time format

reate a plat with three lines for temperature, humidity

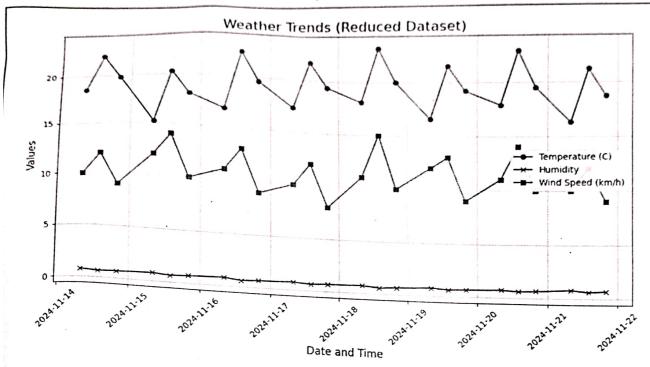
> Set the plot title, x-axis, and y-axis labels.

a Rotate the x-axis labels for better creadability > Display the legend and grid.

> Adjust the layout to ensure everything fils. I show the plot using ' plt_ Shown(),

esting Phase: Compilation of Code (error detection)

Implementation Phase: Final Output (no error)



ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Pomada
Concept	10	-	Remarks
Planning and Execution/	10		
Practical Simulation/ Programming	1		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total .	50		

Signature of the Student: G. S +1 Name: G. Suman+h

Regn. No. : 21/80/13/00 |

Signature of the Faculty:

Page No.....

```
Import pandas ou pd
     Import matplotlib. puplot as pit
    df = pd. read _ csv ('weather - dataly. csv')
    Print ("Dataget preview:")
    Print (df)
   df ['formatted Date 1] = pd. to-date time (df ['formatted
 ·PIt·figure (figsize= C10,6))
                                             Date 174
 PIE. PIOE Cof C'formatted Date J, of ['Temperature cos'],
            label = 'Temperative (c)', color = 'red', marker = 'o')
 PIt. Plot (df ['formatted Date'], df['Humidity', Color='blue',
 PIt. title. ('weather Trends (Reduced Dataset)', fontsize=16)
Plt. xlabel ('Date and Time', fontsize=12)
PIt. ylabel ('values', fontsize = 12)
PIF. Xticks ( rotation = us)
Pit·legend()
Pit. grid (True)
PIt . tight - layout ()
Plt. Show()
```