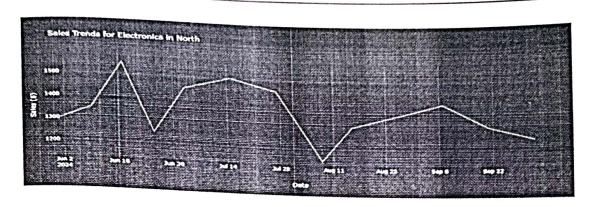
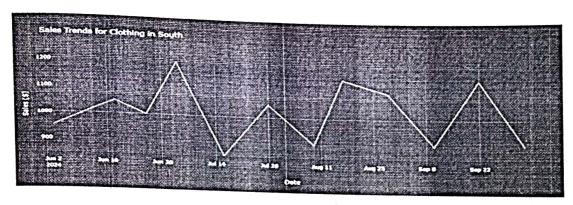
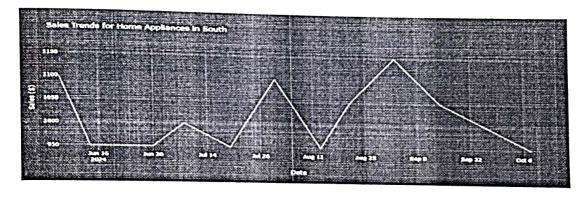
school:	$\neg$
School: Soft Subject S	
Academic Year: 2021 201 Subject Name: DAUP Subject Code: Cotmb	218
Semester: 1 Program: B. Tech	
Semester: The Program: B. TECH Branch: CCE Specialization: ECE	
Applied	
(Learning by Doing and Discovery)	رايم
cofthe Experiement: Diency, allowing were to litter by region & po	zai
(Learning by Doing and Discovery)  cof the Experiement: Design on intractive dash board to vitually coing Phase: Pseudo Code / Flow Chart / Algorithm Category	
import stilled libraries for building the interactive	
load the fally data CSV and inspect the structure to	
sure the correct columns and data format.	
finame columns if necessary & convert the Date' column to	
late: time format for accerate plotting	
Offine the are laured with to all her	
Define the app layout with dropdown filters for selecting he viegion and wroduct on the area.	
Total College will got a sound a late of the second	
to fellow the data lealed on	
Pur the app in fupyter notelook made cesing apportun-	
XVVVI 1D XIXIIII THE WASHIGHOUS	- 1

esting Phase: Compilation of Code (error detection)

## Implementation Phase: Final Output (no error)







## **ASSESSMENT**

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

Signature of the Student: 6- C + Line

Name: -G. Sumanth Regn. No.: 211801131001

Signature of the Faculty:

Page No.....

```
Import dayh
 from dash import dcc, html
 import plotly graph-objects as go
 import panday as pd
 df = pd. read_csv("product_dates.csv")
nequired - columns = ['product', 'scales', 'profit']
missing_columns = [col for Col in required_columns if col notin df.
if missing-columns:
     raise Value Error (f'The dataset is missing the following
                         required columns: (missing_columns)")
 app=dash.Dash (_name_)
 Pie_chart = 90. figure Cdata = Go.pieC
    labels = of ['Producti],
    Value = df ['Sales'],
    title = "market Share by product"
    hole = 0.3
  bar-chart = 90. figure Cdata=[go. Barc
         x = df ['Producti],
         Y = df ['Sales'],
```

```
bar - chart. Update - layout (
   title= " sady by product",
   Kaxis_title = "product",
   Yaxis_title = " Sales"
Scatter-plat = 90. figure Colata = Cgo. Scatter C
 x=df C'Product'j,
 4=df C'profil 1],
mode = Imarkers',
 markery = diet (size=12)
)
)
Scatter-plot. update-layout (
      title = " wrofits by wroduct",
      Xaxis_title = "product",
      Yaxis - title = "profit",
 app. layout = html. DIVCC
      html. HI ("sales Bashboard", style= ? "texetAlign"; (center'z),
  html. Div CC
        html.DIVCC
            dcc. Graph (figure = pie - chart),
       ], classname = 1 Six columns'),
       html. DIVCE
           dcc · Graph Cfigure = bar - chart),
       ], classindame = (Six columns),
      ゴ:)
    app. nun_server (debug=True, port = 8051)
```