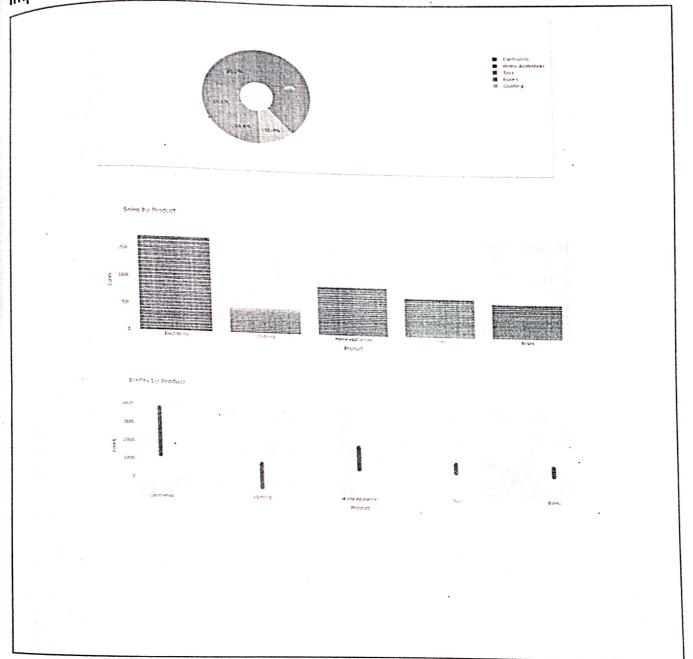
School: SOET Campus: U2m	_
Academic Year: 2021/21 Subject Name: DOVG	 *
Centurion Semester: 7 Program: B.TECH Branch: ECE Specialization: ECE	
Date:	
Applied and Action Learning (Learning by Doing and Discovery)	
ame of the Experiement: wreate a layout for a dashboard that include a p	u
coding Phase: Pseudo Code / Flow Chart / Algorithm	
mport necessary libraries	
create a sinch werefy the presence of orequired	
sales by product, and a scatter plot for profil by product.  Define the layout of the are	
sales by product, and a scatter plot for violil by modern	
Define the layout of the one whi	
Define the layout of the app., placing the scharts in rows	
Run the Dayly and on a facili	
Run the Dash app on a Specific port (8051) with 'approxim - Server Colebug = Tirue, port = 8051)',	

Testing 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			ï
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	50		

Signature of the Student: G. S. S. Name: G. Sumanth

Regn. No. : 211801131001

Page No.....

```
from jupyter-dash import Jupyter Dash
  from dash import dcc, html, Input, Output
  Import panday as pd
  Import plotly. Express as px
  file - path = "Sales-data.csv"
 df = pd. read _ CSV ("Saley_data.csv")
 print ("Dataset columns,", df. columns)
 print ("Dataset preview:", df. head (1)
df. rename (columns = {
     Region! Region!,
    'product category': 'product category'
    'Date': 'Date',
     'Sales': 'Sales'
 3, inplace = True)
df ('Date'] = pd. to - datetime(df ('Date'))
required_ Columns = ['Date'; Region', 'product category', (sales']
missing-columns = [col for col in required_columns if col notin
                     df · columns]
if missing_columns:
   raise Value Error (F'The dataset is missing the following
                required columns: {missiong_columns y")
 app = Jupgter Dash (_ name_)
```