School: SOET Campus: Vzm

Academic Year: 2021/2025 Subject Name: DAVP Subject Code: Cstml018

Semester: 7th Program: B.TECH Branch: ECE Specialization: ECE

Date:

Applied and Action Learning

(Learning by Doing and Discovery)

Name of the Experiement : Analysis a case study on healthcare data & create a story board.

Coding Phase: Pseudo Code / Flow Chart / Algorithm

load the dataset from a csv file using pandas.

Display the first few rows of the dataset to check its contents

import a visualization library like plotly for creating the plot.

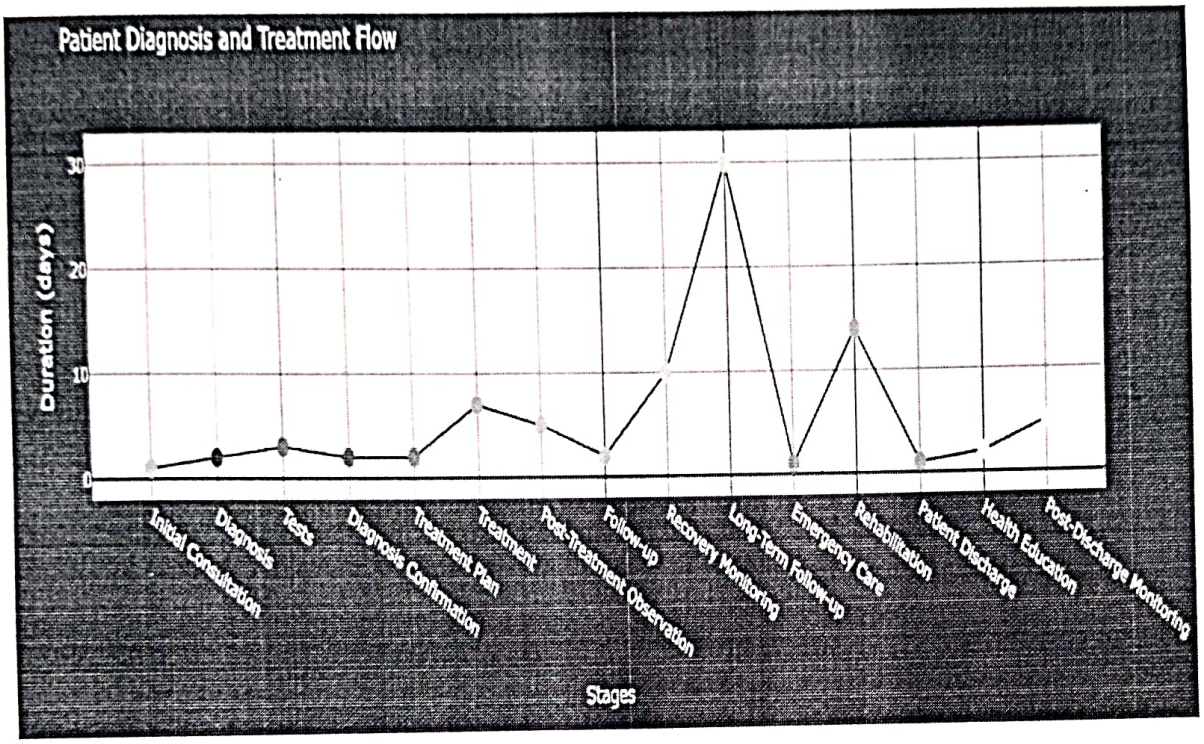
create a figure and plot the treatment stages on the x-axis and duration on the y-axis with markers.

customize the plot by setting the title, axis tabels,

display the interactive plot for visualization

Testing Phase: Compilation of Code (error detection)

nplementation Phase: Final Output (no error)



ASSESSMENT

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

Signature of the Student: G. Sumanth

Name : G. Sumanth

Regn. No. : 211801131001

Signature of the Faculty:

```
Import pandas as pd
df = pd.read_csv
print(df.head())
import plotly.graph objects as go
fig = go.figure()
fig.add_trace(go.scatter(
    x = df["stage"]
    Y = df["Duration (Days)"],
    mode = "lines+markers",
    line = dict(color = 'black'),
    marker = dict(size = 12, color = df["color"]),
    text = df["Description"],
    hoverinfo = "text"
))
fig.update_layout(
    title = "patient Diagnosis and Treatment flow",
    x axis_ title = "Stages",
    y axis : title = "Duration (days)", )
    Show.legend = false,
    plot_bgcolor = "white",
    template = "plotly_dark",
    fig.show())
```