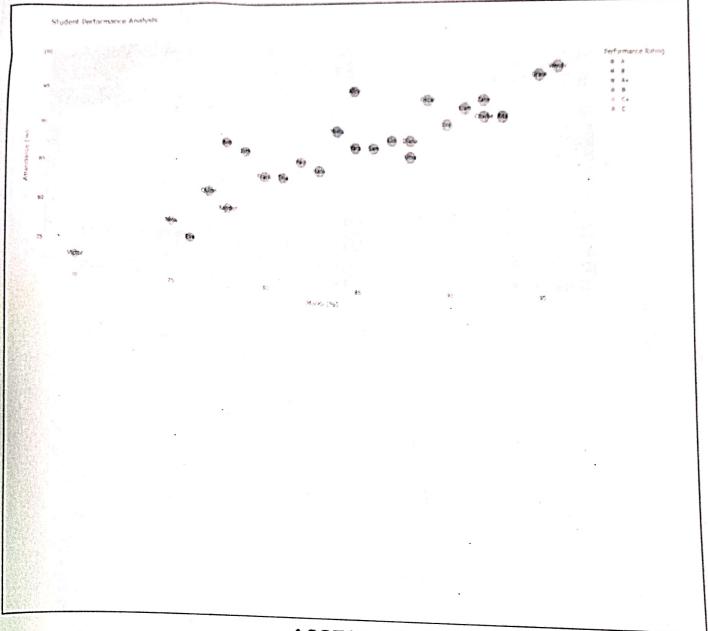
**	
	School: Campus: V2m
Centurion	Academic Years 2621 h =
UNIVERSITY	Branch: ECE Specialization: ECE
-ma of the	Applied and Action Learning  (Learning by Doing and Discovery)
oding	Phase: Pseudo Code / Flow Chart / Algorithm of Students in a continued of the performance of necessary (it - it)
> loas	d the data in
presen	d the dataset and ensure required columns are
s cred	the y-axis, and participate: as the size.
011 71	re 4-axis, and participate! On the Axis Attendance
> let 1	restormance Robins!
nous	r lext with student name.
> Disn	rerformance Rating of the color, with student names of lay the chart in the default web browser using fig. in (crenderer = "browser").
Shove	n (vrenderer = " lerouser")

esting Phase: Compilation of Code (error detection)

## Implementation Phase: Final Output (no error)



## **ASSESSMENT**

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

Signature of the Student: G. S. - Harris

Regn. No.: 21180113100)

Page No.....

Signature of the Faculty:

```
Import plotly. express as px
    Import Pandou as pd
  df = Pd. read_ CSV ('Students_data. CSV')
 required - Columns = ['Student', 'marks', 'Attendance', 'participation',
missing-Columns = Ccol for colin required - columns if col not in
if missing - columns:
                        df. Columns]
vaise value error [f"The dataset is missing the following
                      required columns: {missing_columns?")
fig = px. scatter Cdf,
                  x = 'marks',
                 4 = 'Attendance',
                 Size = "participation",
                Color = 'Performance Rating',
               fort = 'Student',
              title - "Stredent performance Analysis"
             labels = { marks : 'marks (%),
                     ('Attendance': 'Attendance(1,1)',
                     'per formance Rating'! per formance Rating'?
           hover_name = 'Student',
          hover_ clata = ¿"marks": True, "Attendance": True,
   Fig. Show (renderer= "browser")
```