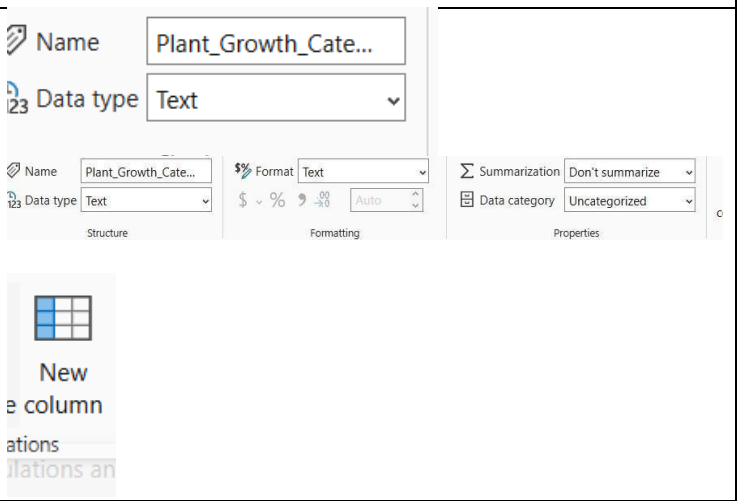
Project Development Phase
Model Performance Test

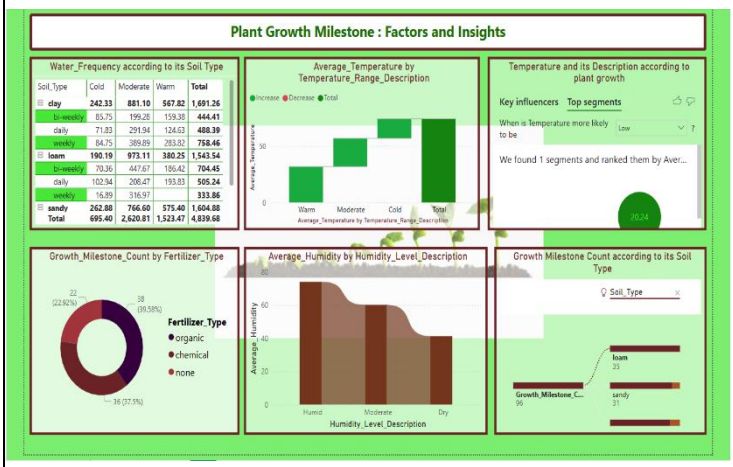
Date	25 March 2025
Team ID	PNT2025TMID06665
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI.
Maximum Marks	

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	14 column and 193 Rows.
2.	Data Preprocessing	
3.	Utilization of Data Filters	We had shorted the data by giving the data type text, whole no. and the decimal no.
4.	DAX Queries Used	Water_Frequency_Numeric = SWITCH([Water_Frequency], "daily", 1, "bi-weekly", 2, "weekly", 3, BLANK()) Temperature_Range = SWITCH(

```
    TRUE(),
    [Temperature] < 15, "Low",
    [Temperature] >= 15 && [Temperature] < 25,
"Moderate",
    [Temperature] >=25, "High" )


Humidity_Range =
SWITCH(
    TRUE(),
    [Humidity] < 40, "Low",
    [Humidity] >= 40 && [Humidity] < 60, "Moderate",
    [Humidity] >= 60, "High"
    )


Humidity_Level_Description =
SWITCH(
    TRUE(),
    [Humidity] < 30, "Very Dry",
    [Humidity] >= 30 && [Humidity] < 50, "Dry",
    [Humidity] >= 50 && [Humidity] < 70, "Moderate",
    [Humidity] >= 70 && [Humidity] < 90, "Humid",
    [Humidity] >= 90, "Very Humid" )


Temperature_Range_Description =
SWITCH(
    TRUE(),
    [Temperature] < 10, "Very Cold",
    [Temperature] >= 10 && [Temperature] < 20, "Cold",
    [Temperature] >= 20 && [Temperature] < 30,
"Moderate",
    [Temperature] >= 30 && [Temperature] < 40, "Warm",
    [Temperature] >= 40, "Hot")


Growth_Milestone_Description =
SWITCH(
    [Growth_Milestone],
    0, "Early Stage",
    1, "Mature Stage",
    "Unknown Stage"
)


Plant_Growth_Category =
SWITCH(
```

		[Growth_Milestone], 0, "Initial Growth", 1, "Advanced Growth", "Uncategorized")
5.	Dashboard design	
6	Report Design