■ Student Performance Dashboard – Project Summary

1. Project Overview

This Power BI dashboard analyzes student performance using academic scores, attendance records, and behavior data.

The objective is to generate meaningful insights for performance evaluation and data-driven decision-making.

2. Dataset Description

The project is developed using four datasets:

Students – Student details (StudentID, Name, Class, Section)

Scores – Subject-wise marks and maximum scores

Attendance – Attendance status records (Present/Absent)

Behavior – Categorized behavior records for each student

3. Data Modeling

The Students table is used as the Dimension table and connected to Scores, Attendance, and Behavior tables using StudentID.

One-to-many relationships with single-direction filtering were implemented to ensure accurate reporting.

4. Key DAX Measures

Total Students – Distinct count of StudentID

Total Score – Sum of student scores

Total Max Score – Sum of maximum scores

Percentage Score – Total Score divided by Total Max Score

Average Score – Average of student marks

Attendance Percentage – Present attendance ratio

Behavior Count – Total behavior records

5. Dashboard Visualizations

KPI Cards – Total Students, Percentage Score, Attendance Percentage

Bar Chart – Subject-wise performance comparison

Line Chart – Term-wise academic performance trend

Treemap – Behavior distribution analysis

Table & Slicers – Interactive filtering by Class, Section, Subject, and Term

6. Conclusion

The Student Performance Dashboard provides a structured and interactive analytical solution for monitoring academic,

attendance, and behavioral performance. It enhances data interpretation and supports informed decision-making.