Student Performance Analysis Report

Objective:

To analyze the academic performance of students across various departments based on their subject scores and grade classifications.

Key Findings:

Metric / Question	Description	Excel Function Used	Result
Maximum Score in Maths	Highest marks achieved in Mathematics among all students	=MAX(Maths)	**91**
Minimum Score in Physics	Lowest marks achieved in Physics among all students	=MIN(Physics)	**1**
Average Score in Chemistry	Mean marks scored by students in Chemistry	=AVERAGE(Chemistry)	**59.34**
Average Score in Lang_Adj	Mean adjusted language score of students	=AVERAGE(Lang_Adj)	**59.48**
Total MECH Students with D Grade	Count of students from Mechanical Department with Grade D	=COUNTIFS(Department,"MECH",Grade,"D")	**8**
Total CS Students with C Grade	Count of students from Computer Science Department with Grade C	=COUNTIFS(Department,"CS",Grade,"C")	**6**

Insights:

- The **highest performance** was in **Maths (91)**, showing strong aptitude in quantitative subjects.
- The **lowest performance** was recorded in **Physics (1)**, suggesting possible learning gaps.
- The **average performance** across Chemistry (59.34) and Language Adjusted (59.48) subjects indicates moderate consistency.
- Department-wise, the **MECH** department had a notable count of **D-grade students (8)**, suggesting potential need for academic intervention.
- **CS** students performed moderately, with **6 students** scoring a **C grade**.

Conclusion:

The analysis provides a quantitative view of departmental and subject-wise performance trends. Future steps could involve identifying low-performing students for remedial programs and recognizing top performers for awards or mentoring opportunities.