Mini Project – **Student Data Analysis**

Batch: Data Analytics & Data Science

Estimated Duration: 3 Days

Problem Statement:

1. **How to count the number of male students?**
2. **determine the highest and least math score?**
3. **identify the student name with the lowest science score?**
4. **find the number of students who participate in extracurricular activities?**
5. **calculate the average attendance of all students?**
6. **calculate the percentage of male and female students?**
7. **create a bar chart to show student count by location?**
8. **calculate the average marks in English for each student group?**
9. **find the student with the highest total marks across all subjects?**
10. **create a pivot table to summarize average attendance by location?**
11. **count the students whose mothers are employed?**
12. **create a line chart showing attendance trends?**
13. **find the most common family size in the dataset?**
14. **calculate the correlation between math and science scores?**
15. **find the unique count of student locations?**
16. **use the XLOOKUP function and find the attendance based on student id-59?**
17. **create a scatter plot to show relationships between English and Math scores?**
18. **Create a pivot table to summarize the number of students based on school type and guardian type?**
19. **find the total number of students in science group?**
20. **What is the maximum study time of a student?**

Note: Use Excel