

# **Student Performance & Attendance Analyzer**

**File Required: assignment\_student\_data.csv**

## **✔ Instructions:**

- ✓ Open Jupyter Notebook and create a new Python file for this assignment.
- ✓ Import the required libraries for data analysis and visualization.
- ✓ Load the provided dataset (assignment\_student\_data.csv) into your notebook.
- ✓ Calculate the total and average score for each student using the five subject scores:
  - Math
  - English
  - Science
  - ICT
  - Social Studies
- ✓ **Identify:**
  - The student with the highest total score
  - The student with the lowest total score
- ✓ Calculate the class average score for each subject and display the results.
- ✓ Create a scatter plot that shows the relationship between each student's:
  - Attendance
  - Total Score
- ✓ Analyze the graph and write 2–3 sentences describing what it shows (e.g. Does higher attendance seem to improve scores?).
- ✓ Save and submit your notebook with the completed analysis and graph.