**Day – 2 of Data analysis Challenge**

**- Katari Pavan**

**1) Provide a summary of the dataset using descriptive statistics (e.g., mean, median,**

**mode, standard deviation) for Overall Engagement and Job Satisfaction.**

2)Conduct a **hypothesis test** to see if there's a statistically significant difference in **Job Satisfaction** between two specific departments (e.g. **IT** and **HR**). State your null hypothesis, test method (e.g., t-test), and explain your results.

3) Perform a **correlation analysis** to determine if there is any relationship between **Work-Life Balance** and **Overall Engagement**. Interpret the correlation and explain what it means in the context of employee experience.