**The AI & ML Club (TAM-VIT)**

**TASK 01**

Q1. Perform Data cleaning on given dataset, other than missing value analysis

Hint: Removing Duplicates, removing irrelevant data, Fix any errors, Data type conversions etc

Q2. Demonstrate possible missing value analysis approaches using given dataset.

Hint: Find missing values in the data and accordingly take steps to remove / fill missing values using different methods.

Q3. Try to create a new features (columns) from existing features (columns) by aggregating the features as part of feature engineering process.

Q4. Perform various visualizations given below for the data after performing aggregation (after solving Q3).

1. Bar plot
2. Line plot
3. Pie Chart
4. Box plot
5. Count plot
6. Distribution Plot
7. Violin Plot

Q5. For all the above plots performed, give your insights on what was the analysis or information you got from that visualization on the data.

**Note: Visualization can be performed to the suitable columns only.**

Dataset link: <https://drive.google.com/file/d/1z0vvRdXd3-Fqq1HeFVEtQcIy7fAnOImz/view?usp=sharing>