

## **Deliverable - 1**

### **Data Collection**

- (a) Provide details on the data sources you will be using for your project. Are you using public datasets, collecting your own data, or obtaining data from specific sources?

### **Data Preprocessing**

- (b) Preprocess your data using Data Cleaning, Transformation, and Feature Selection techniques.
- (c) Divide the dataset into training, validation, and testing sets to evaluate model performance.

### **Data Analysis and Visualization (Optional but Recommended)**

- (d) Create visualizations to gain insights into the data, identify patterns, and help with feature selection and model understanding.

### **Model Selection**

- (e) Research and select suitable AI models/algorithms for your project. Identify technical requirements for the project.

*You are required to submit a .pdf and an .ipynb/.py file.*