TN Marginal Workers Assessment

Project:
   TN Marginal Workers Assessment

Problem Statement:
   The assessment of marginal workers in Tamil Nadu lacks a comprehensive framework, causing inconsistencies in identifying, categorizing, and supporting this vulnerable population. This inconsistency hinders effective policymaking, resource allocation, and program implementation. A well-defined, systematic approach is needed to accurately identify and categorize marginal workers, inform evidence-based policy decisions and interventions.

Approach:
- **Design Thinking:**
    1. **Project Objectives:** The project aims to improve the socio-economic conditions of marginal workers in Tamil Nadu by creating a clear classification system, collecting accurate data, identifying vulnerable groups, understanding regional variations, assessing livelihood sustainability, providing policy recommendations, engaging stakeholders, building capacity, and disseminating results.

Checking the requirements:
- First we install the required software and install the modules required for the project and then we set up the test environment by changing the path variable and we launch the application.

Data collection and warehousing:
- We collect various data in the form of an excel spreadsheet and convert it into a CSV file and save it in the same folder where we are going to implement the algorithm.

Test execution:
- We use the pandas,scikit,matplotlib modules in python in order to implement the supervised machine learning algorithm and to visualize it in a realistic manner.

Conclusion:
   These steps are considered optimal for getting the desired output.