**Data Collection and Preprocessing Phase**

|  |  |
| --- | --- |
| Date | 28 November 2024 |
| Team ID | 739996 |
| Project Title | Deep Fruit Veg: Automated Fruit And Veg Identification |
| Maximum Marks | 2 Marks |

**Data Collection Plan & Raw Data Sources Identification Template**

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

**Data Collection Plan Template**

|  |  |
| --- | --- |
| **Section** | **Description** |
| Project Overview | The **Deep fruit veg** project is aimed at developing a deep learning model for the automated identification of fruits and vegetables. The system will utilize computer vision techniques to accurately classify different fruits and vegetables from images. The project’s objectives include:   * Automated Sorting in Food Processing Plants * Quality Control in Supermarkets * Precision Agriculture |
| Data Collection Plan | **Public Datasets:** Utilize existing open-source datasets containing labeled images of fruits and vegetables.  “Kaggle” |
| Raw Data Sources Identified | Kaggle Fruits and Vegetables Dataset |

**Raw Data Sources Template**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source Name** | **Description** | **Location/URL** | **Format** | **Size** | **Access Permissions** |
| Dataset 1 | A collection of images of fruits and vegetables used in research and machine learning competitions | https://www.kaggle.com/datasets/yudhaislamisulistya/plants-type-datasets/data | Zip | 900 mb | Public |