Project Initialization and Planning Phase

Date	20 November 2024
Team ID	739946
Project Name	Deepfruitveg: Automated Fruit And Vegetable Identification
Maximum Marks	3 Marks

Define Problem Statements :

The **Deepfruitveg: Automated Fruit and Vegetables Identification** system aims to solve the challenges of manual produce identification, which is time-consuming and error-prone. By using computer vision and machine learning techniques, the system automatically classifies various fruits and vegetables based on visual characteristics, improving accuracy and speed. It addresses issues such as inconsistent lighting, varying image quality, and similar appearances among produce. The solution reduces labor costs, enhances operational efficiency, and streamlines processes like sorting, packaging, and quality control.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	I am a supermarket manager	I'm trying to automate the sorting and packaging of fruits and vegetables	But it takes a long time and is prone to errors	Because manual sorting is slow and prone to mistakes	Which makes me feel frustrated and inefficient
PS-2	I am a farm worker	I'm trying to identify and categorize various fruits and vegetables quickly	But I struggle with identifying similar-looking produce	Because different fruits and vegetables look alike and the process is manual	Which makes me feel overwhelmed and stressed