Project Initialization and Planning Phase

Date	21-06-2025
Team ID	SWTID1749893823
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Fitness-conscious individuals often struggle to monitor nutritional intake accurately. Manual logging is error-prone and time-consuming. This project proposes an Al-powered nutrition analyzer that identifies food items from images and predicts their nutritional content using transfer learning and a nutrition database. It enables real-time, image-based food logging and calorie tracking to support fitness goals and dietary plans.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
AI-powered Nutrition Analyzer for Fitness Enthusiasts	A fitness enthusiast	Track and monitor my daily nutritional intake accurately and quickly	Manual logging of food is time-consuming and often inaccurate	I either forget to log meals or enter incorrect data, and I don't have the tools to analyze food from images	Frustrated, demotivated, and unsure if I'm really following my fitness and diet plan correctly