Project Initialization and Planning Phase
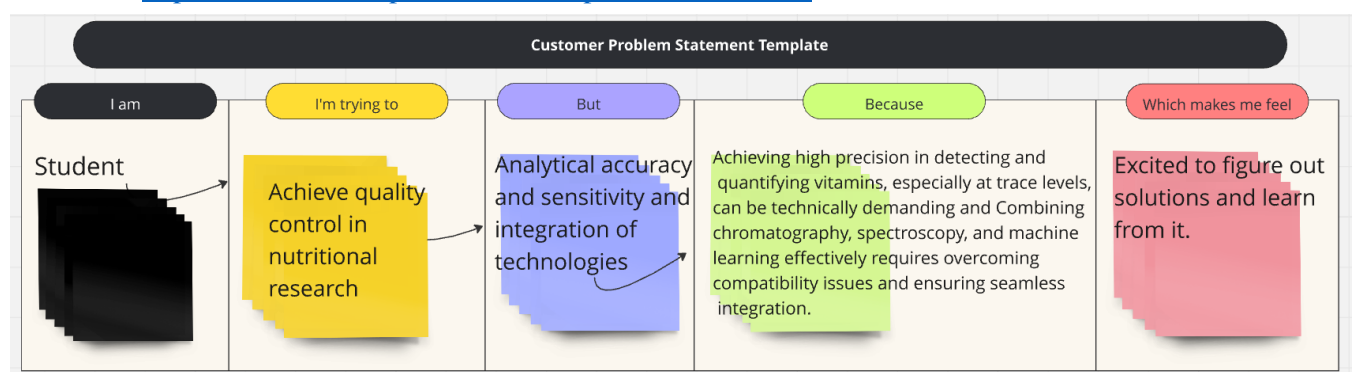
Date	20 June 2024
Team ID	SWTID1720428909
Project Name	Vitamin Vision: Unveiling the Spectrum of Nutrient Detection
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

The "Vitamin Vision" project addresses the need for precise and reliable methods to identify and quantify vitamins in various samples such as food, supplements, and biological fluids. Current challenges in quality control, nutritional research, and regulatory compliance require advanced analytical techniques to ensure product safety, verify nutritional content, and support health studies. By employing chromatography, spectroscopy, and machine learning, this project aims to enhance consumer trust, support regulatory bodies, and enable personalized nutrition plans through accurate vitamin detection and quantification.

Reference: https://miro.com/templates/customer-problem-statement/

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Student	Achieve quality control in nutritional research.	Analytical accuracy and sensitivity and integration of technologies.	Achieving high accuracy and combining Technologies can be difficult.	Excited to figure out solutions and learn from it.