

Project Initialization and Planning Phase

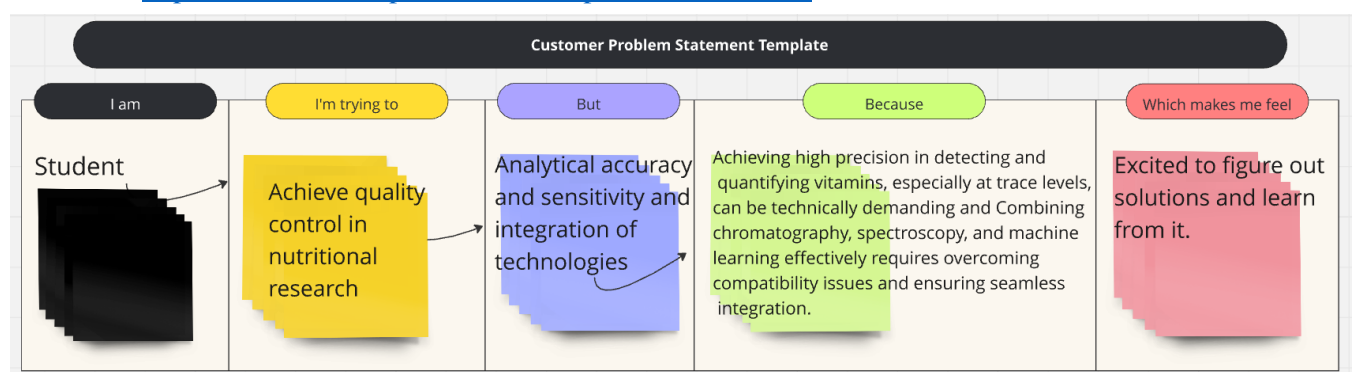
Date	20 June 2024
Team ID	SWTID1720428909
Project Name	Vitamin Vision: Unveiling the Spectrum of Nutrient Detection
Maximum Marks	3 Marks

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.

I am	Describe customer with 3-4 key characteristics: who are they?	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" the are after - what are they trying to achieve?	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way - what do they need?	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists - what needs to be solved?	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view - how does it impact them emotionally?	Describe the emotions the result from experiencing the problems or barriers

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.