Project Initialization and Planning Phase

Date	13.06.25
Team ID	SWTID1749713922
Project Name	Early Prediction for Chronic Kidney Disease Detection: A Progressive Approach to Health Management
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

People at risk of Chronic Kidney Disease struggle with a lack of early awareness due to the silent nature of the disease and the absence of accessible, predictive diagnostic tools. As a result, they often face late diagnoses, limited treatment options, and deteriorating health. We believe that by providing an accurate, AI-powered early prediction model for CKD, we can empower healthcare professionals to intervene earlier and enable patients to take control of their health before the disease progresses.

I am	**I'm trying to**	**But**	**Because**	**Which makes me feel**
A PERSON AT RISK FOR CHRONIC KIDNEY DISEASE (CKD)	STAY HEALTHY AND CATCH ANY POTENTIAL ILLNESSES EARLY	I WON'T KNOW IF I HAVE CKD UNTIL IT'S ALREADY PROGRESSED	THE DISEASE SHOWS NO SYMPTOMS EARLY ON AND I DON'T GET REGULAR SCREENINGS	ANXIOUS, POWERLESS, AND UNSURE ABOUT MY HEALTH FUTURE

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel

PS-1	a primary care physician managing many patients	detect Chronic Kidney Disease early in my patients	I lack efficient tools to identify earlystage CKD automatically	current diagnostic methods rely on noticeable symptoms or latestage indicators	frustrated and concerned about missing opportunities for early intervention

PS-2	a public health official focused on chronic disease prevention	reduce the long-term impact and cost of Chronic Kidney Disease in the community	our health system tends to react to CKD rather than prevent it	early detection tools are not integrated into primary care or population screening programs	frustrated and concerned that preventable cases are slipping through the cracks