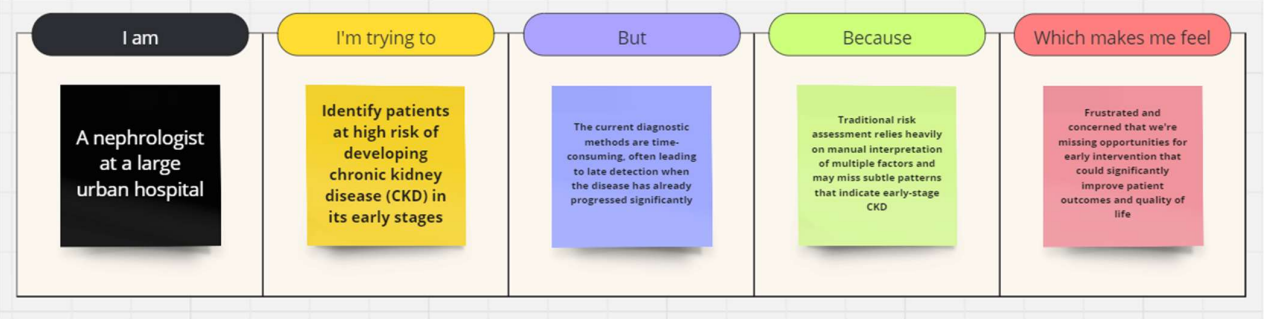
Project Initialization and Planning Phase

Date	05 July 2024
Team ID	SWTID1720082372
Project Name	Early Prediction of Chronic Kidney Disease Using Machine Learning.
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

As a nephrologist in a large urban hospital, identifying patients at high risk of developing chronic kidney disease (CKD) early is crucial. However, current diagnostic methods are time-consuming and often lead to late detection. Traditional risk assessment may miss subtle patterns indicative of early-stage CKD, causing frustration and concern about missed opportunities for early intervention. Implementing machine learning algorithms to analyze patient data could potentially enable faster and more accurate identification of at-risk individuals, allowing for timely preventive measures and improved patient outcomes.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A nephro n-logist at a large urban hospita l	Identify patients at high risk of developing chronic kidney disease (CKD) in its early stages	The current diagnostic methods are time-consuming, often leading to late detection when the disease has already progressed significantly	Traditional risk assessment relies heavily on manual interpretation of multiple factors and may miss subtle patterns that indicate early-stage CKD	Frustrated and concerned that we're missing opportunities for early intervention that could significantly improve patient outcomes and quality of life