Project Initialization and Planning Phase

Date	15 October 2024
Team ID	SWTID1727274979
Project Name	Deep learning techniques for breast cancer risk prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

This template is designed to capture the perspective of the target audience (patients, healthcare providers, researchers, etc.) in breast cancer risk prediction. It highlights their challenges and frustrations, aiming to guide solutions that can directly address their needs and enhance user experience.

Example:
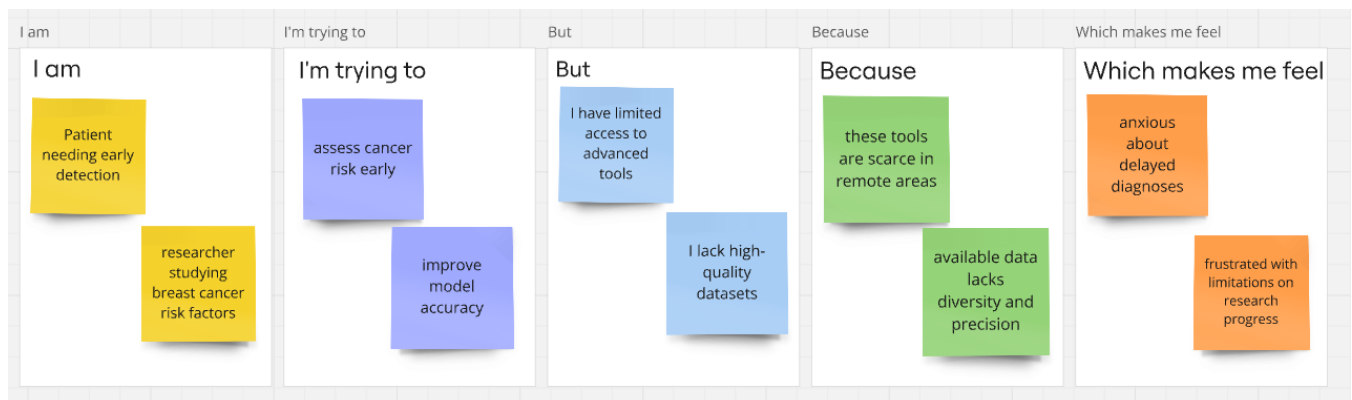
Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A patient or healthcare provider concerned with early breast cancer detection.	Access reliable tools to assess breast cancer risk early and accurately.	I have limited access to advanced diagnostic tools.	These tools are often expensive, and there is a scarcity in remote or underserved areas.	Anxious and worried, as delayed or inaccurate diagnoses can lead to poor outcomes, impacting both mental and physical well-being.
PS-2	A researcher dedicated to studying breast cancer risk factors	Increase the accuracy and robustness of my breast cancer	I lack access to compre hensive,	Available datasets are often limited in size, lack	Frustrated and constrained in research progress, as these limitations prevent the creation

	and improving predictive models.	prediction models to better serve at-risk populations.	high-quality datasets for training the models.	diversity in patient demographics, or miss key health metrics.	of models that generalize well across different populations.