Project Initialization and Planning Phase

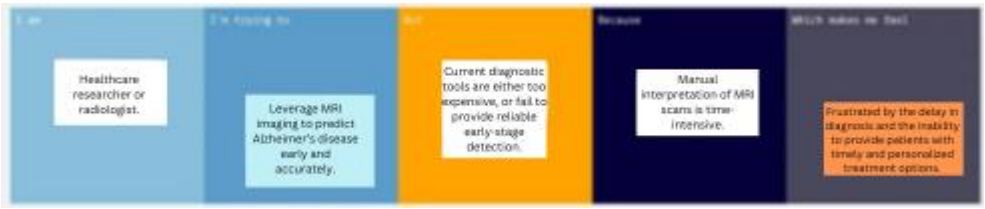
Date	9 December 2024
Team ID	739902
Project Name	Alzheimer Disease Prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Many individuals and their families face significant uncertainty and distress when dealing with the possibility of Alzheimer's disease. They struggle with delayed diagnosis due to invasive tests, and expensive diagnostic tools that are often inaccessible or unaffordable. This delay prevents timely intervention, limiting the ability to slow disease progression or make informed care decisions. Patients and caregivers desire a solution that provides an early, accurate prediction. They want an affordable, easy-to-use, and reliable tool that empowers them to take control of their health, plan for the future, and access treatments or support at the right time. This understanding highlights the emotional, financial, and logistical challenges customers face, helping us design solutions that meet their needs and improve their experience.

I am	Healthcare researcher or radiologist.
I'm trying to	Leverage MRI imaging to predict Alzheimer's disease early and accurately.
but	Current diagnostic tools are either too expensive, or fail to provide reliable early-stage detection.
because	Manual interpretation of MRI scans is time-intensive.
which makes me feel	Frustrated by the delay in diagnosis and the inability to provide patients with timely and personalized treatment options.

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Healthcare researcher or radiologist.	Leverage MRI imaging to predict Alzheimer's disease early and accurately.	Current diagnostic tools are either too expensive, or fail to provide reliable early-stage detection.	Manual interpretation of MRI scans is time-intensive.	Frustrated by the delay in diagnosis and the inability to provide patients with timely and personalized treatment options.