Project Initialization and Planning Phase

Date	10 July 2024
Team ID	740772
Project Name	Predictive Modeling for H1-B Visa Approval Using Machine Learning
Maximum Marks	3 Marks

Define Problem Statements(Customer Problem Statement Template):

I am a data scientist trying to predict the approval status of H1B visa applications using historical data, but current models lack accuracy because they do not account for various influencing factors, which makes stakeholders uncertain about the application outcomes.

Iam	A data scientist
Iam trying to	Predict the approval status status of H1B visa applications using historical data
But	current models lack accuracy
Because	because they do not account for various influencing factors
Which makes me feel	stakeholders uncertain about the application outcomes

Reference: https://miro.com/app/board/uXjVK2aqlmY=/?share_link_id=534024970903 **Example:**

Customer Problem Solving Template

Iam	I'm trying to	But	Because	Which makes me feel
A data scientist	Predict the approval status status of H1B visa applications using historical data	current models lack accuracy	because they do not account for various influencing factors	stakeholders uncertain about the application outcomes

Problem Statement (PS)	I am	I'm trying to	But	Because	Which makes me feel
PS-1	Customer	Complete my H1-B visa application successfully and in a timely manner.	The application process is complex and timeconsuming.	The requirements and procedures are not clearly explained and there is a lack of support from USCIS.	Frustrated and overwhelmed.
PS-2	International professional	Plan my career and relocation to the U.S. with my H1-B visa approval.	The waiting times for visa approval are excessively long.	The USCIS processing times are unpredictable and often delayed.	Anxious and uncertain about my future.