

### Project Initialization and Planning Phase

Date	15 March 2024
Team ID	LTVIP2024TMID25012
Project Name	Predictive Modeling for H1b Visa Approval Using Machine Learning
Maximum Marks	3 Marks

#### Define Problem Statements (Customer Problem Statement Template):

The process of predicting H1B visa approval outcomes is challenging due to the complexity of factors involved, such as job title, wage, employer details, and legal requirements. Currently, HR professionals and immigration attorneys lack an accurate, data-driven method to anticipate approval decisions, leading to inefficiencies in resource planning and decision-making. This project aims to develop a predictive model using machine learning to improve the accuracy of H1B visa approval predictions, helping organizations streamline their hiring processes and reduce uncertainty.

<b>I am:</b>	<b>I'm trying to:</b>	<b>But:</b>	<b>Because:</b>	<b>Which makes me feel:</b>
An HR professional or immigration attorney working on behalf of companies to process H1B visa applications for employees.	Predict the approval or denial of H1B visa applications to make informed decisions about recruitment and resource allocation.	The approval process is complex, relies on multiple factors that are not easily predictable, and requires a significant amount of time and manual effort.	There is no clear, accessible method to anticipate the approval status based on historical data, job roles, wages, and employer details.	Confused and uncertain, as it causes delays, impacts planning, and could result in losing valuable talent if applications are unexpectedly denied.

PS-1	<p><b>I am:</b></p> <p>An HR professional or immigration attorney managing H1B visa applications.</p>	<p><b>I'm trying to:</b></p> <p>Efficiently predict the approval or denial of H1B visa applications to streamline recruitment and reduce delays.</p>	<p><b>But:</b></p> <p>The approval process is unpredictable and influenced by numerous complex factors, making it difficult to anticipate outcomes.</p>	<p><b>Because:</b></p> <p>There is no reliable tool that leverages historical data and machine learning to provide accurate predictions based on key visa-related attributes.</p>	<p><b>Which makes me feel:</b></p> <p>Frustrated and uncertain, leading to delays in resource planning and the potential loss of critical hires.</p>
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