

Project Initialization and Planning Phase

Date	15 March 2024
Team ID	SWTID1728136330
Project Name	Fake News Analysis in Social Media Using NLP
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

In today's digital age, social media platforms have become primary sources of information for millions of people. However, with the rapid rise in the volume of content being shared, distinguishing between factual news and misinformation has become increasingly difficult. Many social media users struggle to differentiate between trustworthy and unreliable content, leading to confusion, frustration, and a lack of confidence in the information they consume. This challenge is compounded by the fact that fake news can spread quickly, often aided by algorithms, bots, and viral trends, making manual verification an overwhelming and time-consuming task.

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I am	Describe customer with 3-4 key characteristics - who are they?	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" they want - what are they trying to achieve?	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way - what do they need?	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problems or barriers exist - what needs to be solved?	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view - how does it impact them emotionally?	Describe the emotions the result from experiencing the problems or barriers

Example:

I am	I'm trying to	But	Because	Which makes me
Social media user	Stay informed about current events & trends	Misleading & false information being shared	Overwhelming volume of content	Frustrated

I am Journalist	I'm trying to verify authenticity of news article	But Facing challenges in processing	Because Traditional method of verification is slow	Which makes me Burdened by scale of tasks
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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	I am a social media user.	stay informed about current events and trends.	I often encounter misleading or false information being shared, which makes it difficult to distinguish between reliable news or fake news.	There is an overwhelming volume of content, and its hard to verify the credibility of each post or news article.	It makes me feel confused , frustrated, and uncertain about what's true.
PS-2	I am a journalist or fact-checking organization	Verify the authenticity of the news articles or social media posts.	I face challenges in processing and analyzing the vast number of stories that emerge everyday.	Traditional method of verification are too slow and there is no quick way to identify patterns in fake news dissemination across platforms.	It makes me feel burdened by the scale of the task, and concerned that false information may go unchecked, affecting public opinion and trust.