

Project Initialization and Planning Phase

Date	10 April 2025
Team ID	259453
Project Name	SMS Spam Detection using NLP
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Spam messages are not only annoying but can also be dangerous as they may include phishing links or scams. Manually filtering such messages is inefficient and error-prone.

Traditional spam filters rely on basic keyword matching which often leads to false positives and negatives.

A machine learning-based classifier that learns from historical labeled SMS data and uses natural language processing to understand patterns in spam vs ham messages.

Reference: <https://miro.com/templates/customer-problem-statement/>

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a mobile phone user	avoid spam and phishing messages	I still receive many unwanted SMS texts	my phone doesn't have an intelligent SMS filter	annoyed and vulnerable
PS-2	a developer building a solution	build a spam filter using machine learning	I need a reliable and accurat	spam messages often mimic normal	challenged but motivated

			e model	messages and fool filters	
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