

## Initial Project Planning Template

Date	10 April 2025
Team ID	259453
Project Name	SMS Spam Detection using NLP
Maximum Marks	4 Marks

### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Upload	USN-1	As a user, I can upload an SMS dataset (CSV format) to begin training the spam detection model.	2	High	Vidit Rastogi	25 March 2025	10 April 2025
Sprint-1	Text Preprocessing	USN-2	As a developer, I can preprocess the text by removing stopwords, punctuation, and applying stemming to clean the dataset.	2	High	Vidit Rastogi	25 March 2025	10 April 2025
Sprint-2	Model Training	USN-3	As a user, I can train a Naive Bayes model on the processed SMS dataset to classify spam vs ham messages.	3	Medium	Vidit Rastogi	25 March 2025	10 April 2025
Sprint-1	Evaluation	USN-4	As a user, I can evaluate the model using accuracy, precision, and recall to assess its performance.	2	High	Vidit Rastogi	25 March 2025	10 April 2025
Sprint-2	Prediction	USN-5	As a user, I can enter a custom SMS message and get an immediate prediction whether it is spam or not.	1	High	Vidit Rastogi	25 March 2025	10 April 2025