Initial Project Planning

Date	15 March 2024
Team ID	SWTID1728136330
Project Name	Fake News Analysis in Social Media 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 Collection and Preprocessing	USN-1	As a system, I can collect social media posts (from platforms like Twitter, Facebook) for analysis.	3	High	[Member 1]	15 October 2024	21 October 2024
Sprint-1	Data Collection and Preprocessing	USN-2	As a system, I can clean and preprocess text data (remove special characters, stop words, etc.) from social media posts.	3	High	[Member 2]	15 October 2024	21 October 2024
Sprint-2	NLP Model Development	USN-3	As a user, I want to apply Natural Language Processing (NLP) techniques to identify potential fake news patterns.	5	High	[Member 3]	22 October 2024	28 October 2024
Sprint-1	Fake News Detection Algorithm	USN-4	As a user, I can use machine learning algorithms to detect fake	5	High	[Member 5]	15 October 2024	21 October 2024

			news from a set of social media posts.					
Sprint-2	Fake News Detection Algorithm	USN-5	As a user, I can train a machine learning model (e.g., Random Forest, SVM) to classify news as fake or real.	8	High	[Member 1,2]	22 October 2024	28 October 2024
Sprint-3	Model Evaluation and Tuning	USN-6	As a user, I can evaluate the performance of the fake news detection model using accuracy, precision, and recall.	3	Medium	[Member 3,4]	29 October 2024	4 November 2024
Sprint-3	Integration into Web Application	USN-7	As a user, I can input a news article or social media post, and the system will classify it as fake or real.	5	High	[Member 1,4]	29 October 2024	4 November 2024
Sprint-4	Front-End Development	USN-8	As a user, I can interact with a web interface to submit news and view the results of the fake news detection system.	5	Medium	[Member 2]	5 November 2924	11 November 2024
Sprint-4	Performance Testing	USN-9	As a developer, I can run performance tests to ensure the fake news detection system can handle high traffic loads.	4	Medium	[Member 3,4]	5 November 2024	11 November 2024
Sprint-4	Final Review and Documentation	USn-10	As a developer, I can prepare final documentation and provide a review of the overall system to ensure quality assurance.	2	Low	[Member 1,2,3]	5 November 2024	11 November 2024