Initial Project Planning Template

Date	15 October 2024
Team ID	739743
Project Name	Spooky Author Identification Using Deep Learning
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-1	Data Collection and Preprocessing	USN-1	As a researcher, I can upload datasets of text excerpts by spooky authors for analysis.	2	High	Kaveri
Sprint-1		USN-2	As a researcher, I can preprocess text by removing stop words, punctuation, and converting to lowercase.	1	High	Sai Kiran
Sprint-2		USN-3	As a researcher, I can normalize text by stemming or lemmatization for consistent analysis.	2	Medium	Sucharitha
Sprint-1	Feature Extraction	USN-4	As a system, I can extract features like n-grams, TF-IDF, and word embeddings from text data.	2	High	Bala Krishna
Sprint-1	Model Training	USN-5	As a system, I can train a machine learning model to classify authorship based on extracted features.	3	High	Sai Kiran, Kaveri

Sprint-2	Evaluation and Validation	USN-6	As a researcher, I can evaluate the model using metrics like accuracy, precision, and recall.	2	Medium	Sucharitha, Bala Krishna
Sprint-2	Data Augmentation	USN-7	As a system, I can augment text data by generating variations using techniques like synonym replacement.	2	Low	Sai Kiran
Sprint-3	Visualization	USN-8	As a user, I can visualize the classification results and feature importance in a user-friendly format.	2	Medium	Sai Kiran, Bala Krishna
Sprint-3	Deployment	USN-9	As a user, I can access the spooky author identification system through a web-based interface.	3	High	Kaveri