Initial Project Planning Template

Date	27 September 2024
Team ID	739872
Project Name	Bird Species Classification
Maximum Marks	4 Marks

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

Use the below template to create a product backlog and sprint schedule

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	USN-1	As a user, I can collect a diverse dataset of social media comments, including both toxic and non toxic comments from various social Media Platforms	5	Medium	Mandala Manasa	20/10/2024	21/10/2024
Sprint-2	Image Preprocessing	USN-2	As a user .I can import libraries like numpy ,pandas ,matplotlib etc As a user I can read the Datasets	4	High	Mandala Manasa, Rudravena Sathwika	22/10/2024	23/10/2024
Sprint-2	Image Preprocessing	USN-3	As a user, I In data preprocessing for toxic comment classification, vectorizing involves transforming text data into numerical representations for machine learning models	3	Medium	Mandala Manasa	24/10/2024	28/10/2024

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-3	Model Building	USN-4	As a user, I can select Logistic regression is chosen for toxic comment classification on social media due to its simplicity, interpretability, and effectiveness in binary classification tasks.	3	Medium	Rudravena Sathwika, Mandala Manasa	29/10/2024	30/10/2024
Sprint-4	Model Training and Testing	USN-6	As a user, I can Training a logistic regression model on the preprocessed data. Evaluating the model's performance by using relevant metrics like accuracy_score, precision etc. Building a multi-label classifier using Logistic Regression. For each target variable, the model is fitted and saved	4	High	Rudravena Sathwika, Bairy Abhinav	01/11/2024	03/11/2024
Sprint-5	Application Building	USN-7	As a user, In building a Flask app for toxic comment classification, you create API endpoints to accept text input, process it through your trained model, and return the prediction results	4	Medium	Mandala Manasa, Gummadi Kavyasri	04/11/2024	05/11/2024
Sprint-5	Model Development	USF-8	To build an HTML page for toxic comment classification on social media, as a user, you design a web interface to input comments,	3	Low	Gummadi Kavyasri, Bairy Abhinav	06/11/2024	08/11/2024

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
			integrate the model for prediction, and display the results					
Sprint-6	Model Development	USF-10	As a user, I can Execute the python code and after the module is running, open the localhost page and give the text to be predicted or tested.	3	Medium	Mandala Manasa, Rudravena Sathwika	09/11/2024	12/12/2024
Sprint-6	Project Report	USF-11	Reporting the project.	4	High	Mandala Manasa, Rudravena Sathwika Gummadi Kavyasri, Bairy Abhinav	13/11/2024	15/11/2024