Initial Project Planning Template

Date	7 July 2024
Team ID	xxxxxx
Project Name	Detection of Autistic Spectrum Disorder: 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 & Preparation	USN-1	As a user, I can load and inspect the dataset for initial understanding.	2	High		08 July, 2024	08 July, 2024
Sprint-1	Data Collection & Preparation	USN-2	As a user, I can visualize missing values in the dataset to identify gaps.	1	High		08 July, 2024	08 July, 2024
Sprint-1	Data Collection and Preprocessing	USN-3	As a user I can preprocess the ASD screening dataset so that the data is clean, normalized, and split for training and testing, ensuring high accuracy in classification models.	2	Medium		09 July, 2024	09 July, 2024
Sprint-2	Data Cleaning	USN-4	As a user, I can replace missing values and drop unnecessary columns.	2	Low		09 July, 2024	09 July, 2024

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-2	Data Cleaning	USN-5	As a user, I can convert data types and handle outliers.	2	Medium		10 July, 2024	10 July, 2024
Sprint-3	Feature Engineering	USN-6	As a user, I can create new features from existing ones to improve model performance.	1	High		11 July, 2024	11 July, 2024
Sprint-3	Feature Engineering	USN-7	As a user, I can encode categorical variables into numerical values.	2	High		12 July, 2024	12 July, 2024
Sprint-4	Model Training	USN-8	As a user, I can split the dataset into training and testing datasets	2	High		12 July, 2024	12 July, 2024
Sprint-4	Model Training	USN-9	As a user, I can train multiple classification models and evaluate their performance.	3	High		13 July, 2024	14 July, 2024
Sprint-4	Model Training	USN-10	As a user, I can save the trained model for future use.	1	High		15 July, 2024	15 July, 2024
Sprint-5	Model Evaluation	USN-11	As a user, I can compare the performance of different models using various metrics.	3	High		15 July, 2024	15 July, 2024
Sprint-5	Model Evaluation	USN-12	As a user, I can visualize model accuracies using plots.	2	High		16 July, 2024	16 July, 2024
Sprint-6	Model Deployment	USN-13	As a user, I can deploy the best-performing model using Flask.	3	High		16 July, 2024	16 July, 2024
Sprint-6	Model Deployment	USN-14	As a user, I can create HTML pages to interact with the Flask application.	2	Medium		17 July, 2024	18 July, 2024

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-6	Model Deployment	USN-15	As a user, I can load the saved model and test it with new data inputs.	2	High		19 July, 2024	19 July, 2024
Sprint-6	Model Deployment	USN-16	As a user, I can document the entire project and create a presentation.	2	High		20 July, 2024	20 July, 2024