

Initial Project Planning Template

Date	13 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			
Sprint-1	Data Collection & Preparation	USN-2	As a user, I can visualize missing values in the dataset to identify gaps.	1	High			
Sprint-2	Data Cleaning	USN-3	As a user, I can replace missing values and drop unnecessary columns.	2	Low			
Sprint-1	Data Cleaning	USN-4	As a user, I can convert data types and handle outliers.	2	Medium			

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-5	Model Deployment	USN-15	As a user, I can document the entire project and create a presentation.	2	High	Aniket Gawali		