

Initial Project Planning Template

Date	15 July 2024
Team ID	740685
Project Name	SDSS galaxy classification using Machine Learning
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 researcher,I can collect and preprocess SDSS data to ensure it is ready for machine learning models.	3	High			
Sprint -1	Model Training	USN-2	As a researcher,i can train a machine learning model to classify galaxies based on the SDSS data.	5	High			
Sprint -2	Model Evaluation	USN-3	As a researcher,I can evaluate the performance of the trained	2	Medium			

			model using a test dataset					
Sprint -2	Model Optimization	USN-4	As a researcher, I can optimize the machine learning model to improve its classification accuracy		High			
Sprint -3	Model Deployment	USN-5	As a researcher, I can deploy the trained and optimized model to classify new data galaxy	4	Medium			