

Initial Project Planning Template

Date	17 July 2025
Team ID	739816
Project Name	Galactic Gazetteer:A comprehensive dataset of planet classification images.
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 planet images from various astronomical sources, including metadata and labels for classifying them into categories such as terrestrial, gas giant, ice giant, and dwarf planets.	5	Medium	Bhaskar	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	Nithin Rao	22/10/2024	23/10/2024

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 Training and Testing	USN-6	As a user, I can train using Convolutional Neural Network (CNN) model and test on the collected dataset of planet images to accurately classify them into categories such as terrestrial, gas giant, ice giant, and dwarf planets, using appropriate training, validation, and testing splits.	4	High	Nithin Rao, Archana	01/11/2024	03/11/2024
Sprint-4	Application Building	USN-7	As a user, in building a Flask app for planet image classification, I can create API endpoints to accept image input, process it through the trained CNN model, and return the predicted planet category as the result.	4	Medium	Nasreen, Archana	04/11/2024	05/11/2024
Sprint-5	Model Development	USF-8	To build an HTML page for planet image classification, as a user, I design a web interface to upload planet images, integrate the trained CNN model for prediction, and display the classified planet category as the result.	3	Low	Bhaskar, Nithin	06/11/2024	08/11/2024

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Sprint-7	Project Report	USF-11	Reporting the project.	4	High	Polampelli Archana, Nithin Rao, Nasreen, Bhaskar	13/11/2024	15/11/2024