

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	22 October 2022
Team ID	PNT2022TMID03970
Project Name	Project – FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDICTION
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	MODELLING PHASE	USN-1	As a user (farmers),I have a problem in identifying the actual plant disease and to recommend best fertilizer.	4	High	SNEHA E,NIVETHA M
Sprint-1		USN-2	Collection of Dataset (sample images of disease affected leaves of different varieties of plants).	2	Medium	SNEHA E,NIVETHA M
Sprint-1		USN-3	Image Preprocessing- Preprocess the collected affected leaf images(rotating to grayscale,calling etc)	3	Low	AARDRA KRISHNA C,KAVYA B
Sprint-1		USN-4	Classify dataset into training and testing sets to measure accuracy of dataset	4	Medium	SNEHA E
Sprint-2	DEVELOPMENT PHASE	USN-5	Model building-Create a CNN model for fruit disease prediction.	5	High	SNEHA E,AARDRA KRISHNA C,NIVETHA M,KAVYA B
Sprint-2		USN-6	Model building-Create a CNN model for vegetable prediction.	4	High	NIVETHA M,KAVYA B
Sprint-2		USN -7	Recommendation based on prediction.	5	High	AARDRA KRISHNA C,KAVYA B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-8	Test the model	3	Medium	SNEHA E,AARDRA KRISHNA C
Sprint-3	DEPLOYMENT PHASE	USN-9	Application building-Creating Login page (to login the user with phone number and email id)	2	low	SNEHA E,NIVETHA M
Sprint-3		USN-10	Dashboard page Creation(contains user profiles and predicting accuracy). In Input page, images of diseased leaf are uploaded.	3	Medium	AARDRA KRISHNA C,KAVYA B
Sprint-3		USN-11	Prediction page creation-Show the prediction based on the user input.	3	Medium	SNEHA E,AARDRA KRISHNA C
Sprint-4	TESTING PHASE	USN-12	Train the model on the IBM cloud	4	High	NIVETHA M,KAVYA B
Sprint-4		USN-13	Testing the application as a user –all user interfaces will be working properly and check prediction accuracy.	4	High	SNEHA E NIVETHA M

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Sprint 1 average velocity:

Average velocity=20/6=3.333

Sprint 2 average velocity:

Average velocity=20/6=3.333

Sprint 3 average velocity:

Average velocity=20/6=3.333

Sprint 4 average velocity:

Average velocity=20/6=3.333

Burn down Chart:

Date: 24/10/2022 -29/10/2022

Sprint goal: Dataset implementation

