Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	26 October 2023
Team ID	Team-592955
Project Name	Potato Disease Classification
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	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the potato leaf disease classification project	3	High	Aasrith
Sprint 1	Development environment	USN-2	Gather a diverse dataset of images containing different types of potato leaves (Potato Early Blight, Potato Late Blight, and Potato healthy leaf) for training the deep learning model.	2	High	Aasrith
Sprint 2	Data collection	USN-3	Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets.	2	High	Nidhish
Sprint 2	Data preprocessing	USN-4	Explore and evaluate different deep learning architectures (e.g.,CNNs) to select the most suitable model for potato leaf classification	3	High	Nidhish
Sprint 3	Model development	USN-5	Train the selected deep learning model using the preprocessed dataset and monitor its performance on the validation set.	3	High	Kalyan
Sprint 3	Training	USN-6	Implement data augmentation techniques like rotation and flipping to improve the model's robustness and accuracy.	2	Medium	Kalyan
Sprint 4	Model deployment & Integration	USN-7	Deploy the trained deep learning model as an API or web service to make it accessible	2	Medium	Hari

			for potato leaves classification. Integrate the model's API into a user-friendly web interface for users to upload images and receive potato leaves classification results.			
Sprint 5	Testing & quality assurance	USN-8	conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperparameters and optimize its performance based on user feedback and testing results.	3	Medium	Hari

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	5	3 Days 26 Oct 2023 29 Oct 2023	20	29 Oct 2023
Sprint-2	5	3 Days 29 Oct 2023 31 Oct 2023		
Sprint-3	5	2 Days 1 Nov 2023 3 Nov 2023		
Sprint-4	2	2 Days 3 Nov 2023 5 Nov 2023		
Sprint-5	3	1 Days 5 Nov 2023 6 Nov 2023		

Velocity:
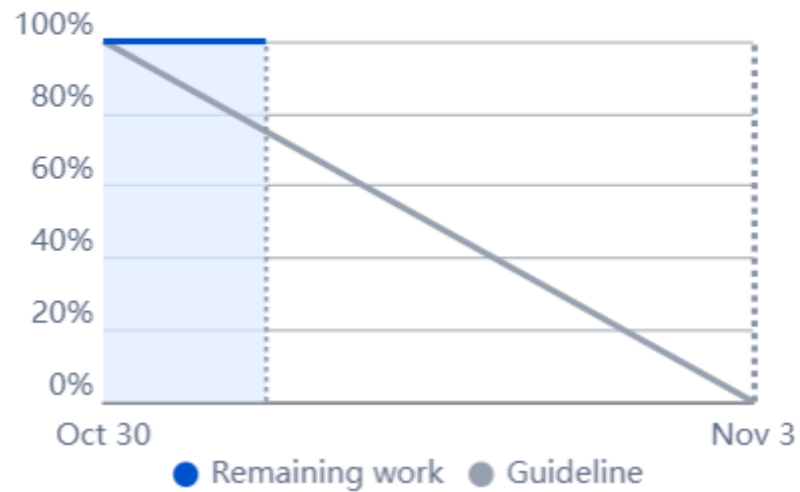
Average Velocity = Sprint Duration / Velocity = 11/5 = 2.2

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time.

Board Section

My Scrum Project
Software project

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PLANNING
- Timeline
- Backlog
- **Board**

DEVELOPMENT
- Code

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All sprints

⚡ ⭐ Complete sprint ...

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TO DO 3

Training
SCRUM-32 · 2

Model deployment & Integration
SCRUM-33 · 2

Testing & quality assurance
SCRUM-34 · 3

IN PROGRESS 1

Model development
SCRUM-31 · 3

DONE 4 ✓

Project Setup and Infrastructure
SCRUM-27 ✓ 3

Development Environment
SCRUM-28 ✓ 2

Data collection
SCRUM-29 ✓ 2

Data preprocessing
SCRUM-30 ✓ 3

Backlog section

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▾ SCRUM Sprint 3   ✎ Add dates   (2 issues)   5 0 0   Start sprint   •••

　　🟩 SCRUM-31 Model development   TO DO ⌄   3   ●
　　🟩 SCRUM-32 Training   TO DO ⌄   2   ●
＋ Create issue

                                                              2 issues | Estimate: 5

▾ SCRUM Sprint 4   ✎ Add dates   (1 issue)   2 0 0   Start sprint   •••

　　🟩 SCRUM-33 Model deployment & Integration   TO DO ⌄   2   ●
＋ Create issue

                                                              1 issue | Estimate: 2

▾ SCRUM Sprint 5   ✎ Add dates   (1 issue)   3 0 0   Start sprint   •••

　　🟩 SCRUM-34 Testing & quality assurance   TO DO ⌄   3   ●
＋ Create issue

Time Line