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

Date	22 October 2022
Team ID	PNT2022TMID19068
Project Name	Fertilizers 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	Data Collection	USN-1	I need to collect data (images of crops and with disease stages).	5	High	Savitha Kamal
Sprint-1	Data Pre-Processing	USN-2	I need to clean my data and prepare it for model building by doing pre-processing activities such as resizing etc.	5	High	Srinith Santhosh
Sprint-2	Model Building	USN-3	I need to build the model using Convolutional Neural Network (CNN).	10	High	Shri varsha priya Savitha
Sprint-3	Model Deployment	USN-4	I need to deploy the Machine Learning model that was built.	10	Medium	Srinith Santhosh
Sprint-4	Application Building	USN-5	I need to build the website for the application using HTML, CSS etc.	8	High	Shri varsha priya Kamal

Sprint-4	Home Page	USN-6	As a user, I can view the home page which hasa description of the plant disease as well as options to sign up or log in.	2	Low	Kamal Santhosh Savitha Shri varsha priya Srinith
Sprint-4	Sign Up Page	USN-7	As a user, I can register for the application byentering my name, phone number, email, password, and confirming my password.	2	High	Kamal Santhosh Savitha Shri varsha priya Srinith
Sprint-4	Authorization	USN-8	As a user, I will receive confirmation email onceI have registered for the application.	2	High	Kamal Santhosh Savitha Shri varsha priya Srinith
Sprint-4	Login	USN-9	As a user, I can log into the application byentering email & password.	2	High	Kamal Santhosh Savitha Shri varsha priya Srinith
Sprint-4	Dashboard	USN-10	As a user, I can upload images of the affected crop to the website in order to receive the plantdisease.	4	High	Kamal Santhosh Savitha Shri varsha priya Srinith

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

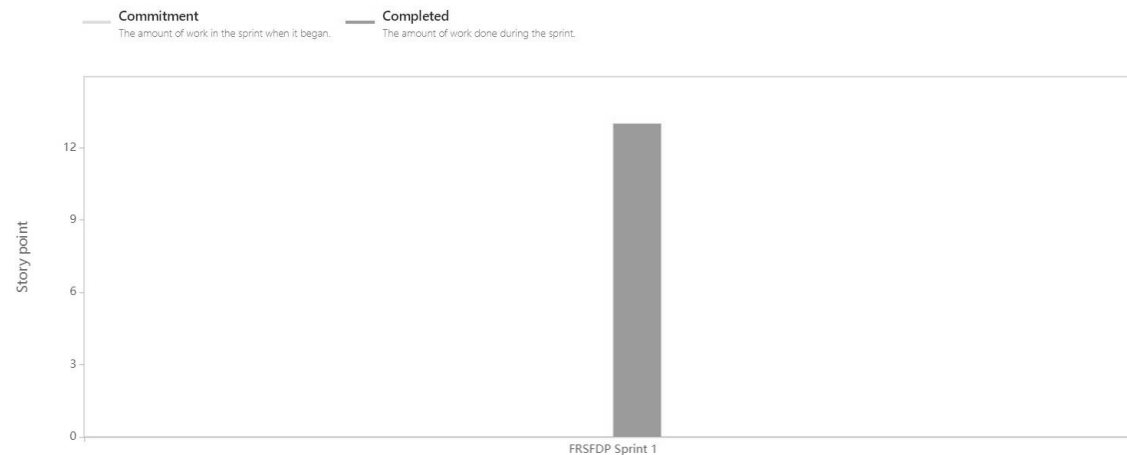| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	30 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	06 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Projects / Fertilizers Recommendation System For Disease Prediction / Reports

Velocity report

> How to read this report

Commitment
The amount of work in the sprint when it began.

Completed
The amount of work done during the sprint.

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Sprint

FRSFDP Sprint 1 ⌄

Estimation field

Story points ⌄

Date - October 24th, 2022 - October 29th, 2022

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate