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

Date	18 November 2022
	PNT2022TMID23562
	Estimate the crop yield using data
	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
	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Prem Kumar S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Lokesh Kumar N
		USN-3	As a user, I can register for the application through Facebook	2	Low	Dinesh Kumar M
		USN-4	As a user, I can register for the application through Gmail	4	Medium	Abilesh M
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Prem Kumar S,Abilesh M
	Dashboard	USN-6	Loading the dataset	2	Low	Lokesh kumar N,Dinesh Kumar M
		USN-7	Exploring the dataset	10	High	Prem Kumar S,Lokesh Kumar N
	Virtualization	USN-8	Visualising the dataset	10	High	Dinesh Kumar M,Abilesh M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-9	Plot different graphs for various case studies	5	Medium	Prem Kumar S,Abilesh M,Lokesh Kumar N,Dinesh Kumar M
		USN-10	Combine into a website with all the results	15	High	Prem Kumar S,Abilesh M,Lokesh Kumar N,Dinesh Kumar 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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)

Velocity:

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

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

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts