Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID06880
Project Name	Estimation of crop yield using Data analytics
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	Registration	USN-1	As a user I can register for the application by entering my email ,password ,and confirming my password.	5	High	Subiksha M S
Sprint-1		USN-1	As a user I will receive confirmation email once registered for the application	7	Medium	Emila Paul Y S
Sprint-1		USN-1	As a user I can register for the application through gmail	4	Medium	Anbu Priya A D
Sprint-1	Login	USN-2	As a user/administrator I can login to the application by entering email & password	4	High	Likithe K
Sprint-2	Dashboard	USN-3	As a user I can use a dashboard to analyse the crop production	8	High	Anbu Priya A D
Sprint-2	Viewproducts	USN-3	As a user I can view the information related to crop production	3	High	Emila Paul Y S

Sprint-2	Updating Crop details	USN-4	As a administrator I can enlist the crop Data	5	Medium	Subiksha M S
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2	Crop analysis	USN-3	As a user I can analyse the which factor affect crop production	4	Medium	Likithe K
Sprint-3	Report generation	USN-2	As a user I can create the reports based on customer need	8	High	Anbu Priya A D
Sprint-3	Alerts /remainder	USN-2	As a user I can give remainder about which factor does not affect crop production	2	Medium	Subiksha M S
Sprint-4	Subscription and deployment	USN-5	As a user I can manage the subscription plan details and ensure the application is successfully deployed	5	High	Emila Paul Y S
Sprint-4	Deployment in cloud	USN-5	To ensure the application is successfully deployed in cloud	5	High	Likithe K

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	**Total Story Points**	**Duration**	**Sprint Start Date**	**Sprint End Date (Planned)**	**Story Points Completed (as on Planned End Date)**	**Sprint Release Date (Actual)**
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

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.