

Project Planning Phase

Date	22 October 2022
Team ID	PNT2022TMID30034
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
Maximum Marks	8 Marks

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

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.	2	High	1.Padmapriya.p 2. Deeksha Kumari 3. Menaka 4. Majula 5. Chandra Kala
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	1.Padmapriya.p 2.Deeksha Kumari 3. Menaka 4. Majula 5. Chandrakala
Sprint-1		USN-3	As a user, I can register for the application through Gmail	1	Medium	1.Padmapriya.p 2.Deeksha Kumari

						3. Menaka 4. Majula 5. chandrakala
Sprint-1	Login	USN-4	As a user, I can register for the application through Gmail	2	High	1.Padmapriya.p 2.Deeksha Kumari 3. Menaka 4. Majula 5. chandrakala
Sprint-2		USN-5	If I forgot my password or username, I can reset it again through my email	1	High	1.Padmapriya.p 2.Deeksha Kumari 3. Menaka 4. Majula 5. chandrakala
Sprint-2	Web register	USN-6	As a user, I can register by entering my email, password, and confirming my password	2	High	1.Padmapriya.p 2.Deeksha Kumari 3. Menaka 4. Majula 5. chandrakala
Sprint-2		USN-7	As a user, I will receive confirmation email once I have registered for the application	1	High	1.Padmapriya.p 2.Deeksha Kumari 3. Menaka 4. Majula 5. chandrakala
Sprint-2		USN-8	As a user, I can register for the application through Gmail	1	Medium	1.Padmapriya.p 2.Deeksha Kumari 3. Menaka 4. Majula 5. chandrakala
Sprint-2	Web login	USN-9	As a user, I can log into the application by entering email & password	2	High	1.Padmapriya.p 2.Deeksha Kumari 3. Menaka 4. Majula

						5. chandrakala
Sprint-3		USN-10	If I forgot my password or username, I can reset it again through my email	1	High	1.Padmapriya.p 2. Deeksha Kumari 3. Menaka 4. Majula 5. Chandra Kala
Sprint-3	Help	USN-11	If I have any doubt in using an application or web, I can clarify it by clicking the Help option in the dashboard.	1	High	1.Padmapriya.p 2. Deeksha Kumari 3. Menaka 4. Majula 5. Chandra Kala
Sprint-4	Feedback	USN-12	I Can give my feedback about the application and I can post my queries.	1	Low	1.Padmapriya.p 2. Deeksha Kumari 3. Menaka 4. Majula 5. Chandra Kala

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

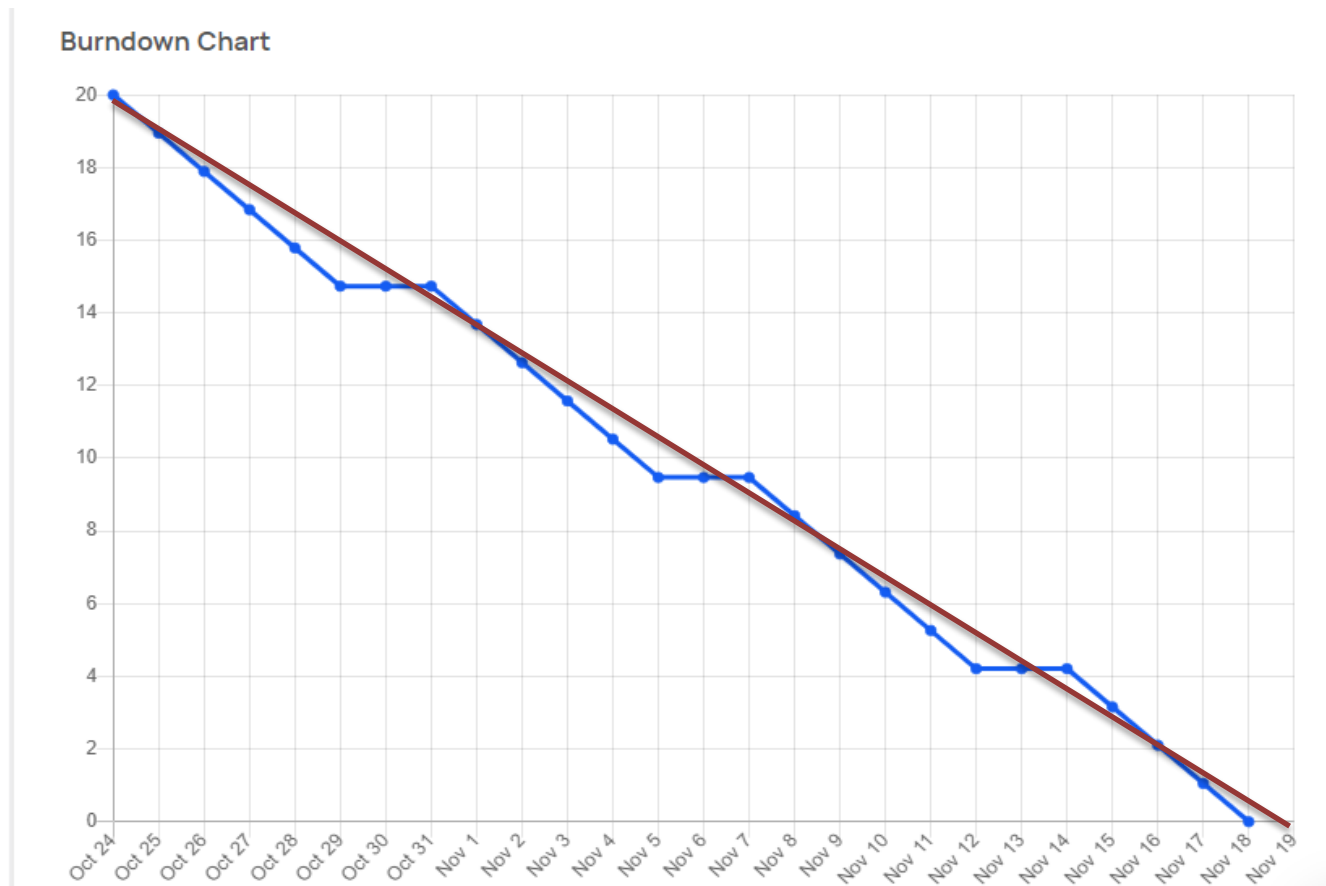
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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

Velocity:

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)

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

Burndown Chart: (Workflow)



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>