

## Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID33093
Project Name	IoT based smart crop protection system for agriculture
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.	2	High	Parthiban Shyam
Sprint-1	confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Adhithiyan Sheik Riyas Shyam
Sprint-2	confirmation via Facebook	USN-3	As a user, I can register for the application through Facebook	2	Low	Adhithiyan Shyam Parthiban
Sprint - 1	confirmation via Email	USN-4	As a user, I can register for the application through Gmail	2	Medium	Sheik Riyas Shyam Adhithiyan
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Parthiban Adhithiyan

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on)	Sprint Release Date (Actual)
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					Planned End Date)	
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	30	30 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	49	06 Oct 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	50	07 Oct 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:

