Project Planning Phase

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

Date	**10 November 2022**
Team ID	**PNT2022TMID17203**
Project Name	**Project** - **IoT Enabled smart farming application**
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	User can enter into the webapplication	2	LOW	Harish Kanna
Sprint-1	Registration	USN-2	User can register their Credentials like e-mail id and password	4	MEDIUM	Balakumaresan
Sprint-1	Login	USN-3	User can log into the application by entering email &password	4	MEDIUM	Fayaz Ahamed ,Dhanajeba s
Sprint-2	Dashboard	USN-4	User can view thetemperature	5	HIGH	Harish Kanna, Balakumaresan
Sprint-2	Dashboard	USN-5	User can view the level of sensor monitoring value	5	HIGH	Fayaz Ahammed Balakumaresan
Sprint-3	Usage	USN-6	User can view the web page and get the information	5	HIGH	Harish Kanna , Dhanajebas

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Working	USN-7	User acts according to The alert given by the device	5	HIGH	Balakumaresan , Dhanajebas
Sprint-4	Working	USN-8	User turns ON the Water motors/ Buzzer/ Relay when the disturbance occur on the field	4	HIGH	Harish Kanna, Fayaz Ahammed
Sprint-4	Action	USN-9	User solves the problem when some faces Any usage issues	4	HIGH	Balakumaresan
Sprint-4	Administration	USN-10	User stores every information	2	MEDIUM	Dhanajebas

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	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	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)

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