Project Planning Phase

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

Date	18 November 2022
Team ID	PNT2022TMID07330
Project Name	IOT based smart crop protection 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	CLARIFAI	USN-1	Sensors and wi-fi module with python code To create application in clarifai and run the python code	2	High	Gresi M Litheesh A Dharshana S Kowshik M
Sprint-2	SOFTWARE	USN-2	IBM watson iot platform , workflows for iot scenarios using node-red	2	High	Gresi M Kowshik Litheesh A Dharshana S
Sprint-3	SOFTWARE	USN-3	Connecting iot device with object storage	2	high	Gresi M Kowshik Litheesh A Dharshana S
Sprint-4	WEB UI	USN-4	To make the user to interact with software	2	high	Gresi M Kowshik Litheesh A Dharshana S

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	23 Oct 2022	28 Oct 2022	20	18 NOV2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	18 Nov2022

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	06 Nov 2022	11 Nov 2022	20	18 Nov2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	18 Nov2022

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.