Project Planning Phase

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

Date	16 NOV 2022
Team ID	PNT2022TMID51203
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	G.Dhivya K.Rajeshwari S.Neha R.Esther binny vasantha
Sprint-2	SOFTWARE	USN-2	IBM watson iot platform , workflows for iot scenarios using node-red	2	High	G.Dhivya K.Rajeshwari S.Neha R.Esther binny vasantha
Sprint-3	SOFTWARE	USN-3	Connecting iot device with object storage	2	High	G.Dhivya K.Rajeshwari S.Neha R.Esther binny vasantha
Sprint-4	WEB-UI	USN-4	To make the user to interact with software	2	High	G.Dhivya K.Rajeshwari S.Neha R.Esther binny vasantha

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)	Story Points Completed (as on Planned End Date)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6Days	31 Oct 2022	5 Nov 2022	20	5 Nov 2022
Sprint-3	20	6Days	7 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6Days	14Nov 2022	19Nov 2022	20	19Nov 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.