Date	30 October 2022
Team ID	PNT2022TMID02468
Project Name	Project - SMART CROP PROTECTION
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	Arvinthsreeram
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Gokulnath,Akash,Kishore
Sprint-2	Cloud Service	USN-3	As a user, I can register for the application through Facebook	2	Low	Kishore
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Arvinthsreeram
Sprint-3	Login	USN-5	As a user, I can log into the application by entering email & password	1	Medium	Akash,Gokulnath
Sprint-2	Preprocessing	USN-6	As a farmer, the user must be able to find the system easy to access so the Prep-processes and other task must	2	Medium	Akash,Gokulnath

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			be perfect			
Sprint-4	Integrating	USN-7	To integrate the available dataset and keep improving the accuracy of finding animals	3	Medium	Kishore
Sprint-3		USN-8	To find and use appropriate compiler to run and test the data so that we can implement our program	2	Low	Arvinthsreeram
Sprint-1	Training	USN-9	As programmer, we need to train our data perfectly so that the program runs smoothly	3	High	Arvinthsreeram
Sprint-2		USN-10	To improve performance	1	Medium	Kishore
Sprint-3	Planning	USN-11	Demonstrate the working and improve accuracy overall	2	High	Arvinthsreeram

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	24 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	29 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	9 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)

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

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.