Project Planning Phase

Date	23 October 2022
Team ID	PNT2022TMID34928
Project Name	IOT BASED SMART CROP PROTECTION SYSTEM
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dashboard	USN-1	As a user, I can view all activities in the farm from dashboard	1	High	J Jeen Liberta
Sprint-1	Weather Condition	USN-2	As a user,I can view the temperature and humidity level through Application	2	Medium	M Shaima
Sprint-1		USN-3	As a user, I can view moisture levels in Soil through a mobile application.	2	High	J Jeyanthi
Sprint-1	Crop Irrigation	USN-4	As a user, I can remotely control the water pump to irrigate the crops through the On/Off control in the mobile application	3	Medium	C T Jaya Sree
Sprint-3		USN-5	As a user, I can automatically irrigate my farm using the soil moisture sensors	3	Low	J Jeyanthi
Sprint-2	Alert Notification	USN-6	As a user, I can receive alert notification through the app when an animal enters the farm.	2	Medium	J Jeen Liberta
Sprint-3		USN-7	As a user, I can receive alert notification of classified threatened animals entering into the farm.	2	High	J Jeen Liberta
Sprint-3		USN-8	As a user, I can receive alert notification when the temperature and humidity level of the farm exceeds the normal threshold level.	2	Low	M Shaima

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-9	As a user, I can receive alert notification when the moisture level in soil is not at optimum level.	2	Medium	J Jeyanthi
Sprint-2	Drive away animals	USN-10	As a user, I can automatically Turn ON the LED incase of animal intrusion during night time.	3	Medium	M Shaima
Sprint-3		USN-11	As a user, I can automatically Buzzer/Speaker incase of animal intrusion	3	High	C T Jaya Sree
Sprint-2	Detection of animals	USN-12	As a user,I can detect the motion of trespassed animals and classify them using a camera.	1	High	C T Jaya Sree
Sprint-4		USN-13	As a user, I can view images of trespassed animals and birds.	3	High	J Jeen Liberta
Sprint-4	Customer care executive	USN-14	As a user, I can receive the customer feedbacks through google forms	3	Medium	C T Jaya Sree
Sprint-4	Replying to the queries	USN-15	As a user, I can reply to the queries of the customer.	3	Low	M Shaima
Sprint-4	Weather Updates	USN-16	As a user, I can get daily Weather condition updates of my farm's location	2	Low	J Jeyanthi

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	8	6 Days	24 Oct 2022	29 Oct 2022		29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022