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

Date	22 October 2022
Team ID	PNT2022TMID44926
Project Name	Project - Smart Farmer 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	Mobile/web user Registeration	USN-1	As a user I can register the application by entering my email, password so that feel good	10	High	Chandru S
Sprint-1		USN-2	As a user I want confirmation mail for registration	10	Medium	Aarthi P
Sprint-2	Mobile/web user Login	USN-3	As a user I can login the application by entering my email and password so that am entering the application	10	High	Abinaya P
Sprint-2		USN-4	As a user I can login to the application by entering my phone number so can easily enter into the dashboard	10	Low	Sangeetha S
Sprint-3	Monitoring and controlling	USN-5	As a user I want smart application so that monitor the fields	2	High	Chandru S
Sprint-3		USN-6	As a user I want to know the temperature level so that easily know irrigation timing	5	High	Aarthi P
Sprint-3		USN-7	As a user I want to check the humidity so that helpful to put water	5	Low	Abinaya P
Sprint-3		USN-8	As a user I wants smart application so that monitor anywhere at anytime	3	Low	Sangeetha S
Sprint-3		USN-9	As a user I want motor control so that stop water wastage	5	High	Abinaya P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Software connection	USN-10	As a admin I want to satisfy their users so that connect & store in Ibm iot	5	Medium	Chandru S
Sprint-4		USN-11	As a admin I want to make software (node red, ibm Watson) connection so that simulate the values	5	Medium	Abinaya P
Sprint-4		USN-12	As a admin I want to test the application so that know it's work or not	10	High	Chandru 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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 06-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)

Average Velocity = Sprint Duration / Velocity = 20/6=3.33

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agilesoftware developmentmethodologies such asScrum. However, burn down charts can be applied to any project containing measurable progress over time.

	OCT							NOV						NOV						NOV					
	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Sprints	Sprint 1	Sprint 2	Sprint 3	Sprint 4
USN-1 Mobile/web user Registeration	████			
USN-2 As a user I can regi... TO DO CHANDRU S	████			
USN-3 As a user I want c... TO DO AARTHIPERI...	████			
USN-4 Mobile/web user Login		████		
USN-5 As a user I can login... TO DO ABINAYA...		████		
USN-6 As a user I can login... TO DO S.SANGEE...		████		
USN-7 Monitoring and controlling			████	
USN-8 As a user I want sm... TO DO CHANDRU S			████	
USN-9 As a user I want to... TO DO AARTHIPERI...			████	
USN-10 As a user I want to... TO DO ABINAYA...			████	
USN-11 As a user I wants s... TO DO S.SANGEE...			████	
USN-12 As a user I want mo... TO DO ABINAYA...			████	
USN-13 Software connection				████
USN-14 As a admin I want... TO DO CHANDRU S				████
USN-15 As a admin I want t... TO DO ABINAYA...				████
USN-16 As a admin I want... TO DO CHANDRU S				████