Project Planning Phase

Sprint Delivery Plan

Date	20 Oct 2022
Team ID	PNT2022TMID48510
Project Name	Smart Farmer – IOT Enabled Smart FarmingApplication
Maximum marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Point	Priority	Team Members
Sprint-1	Simulation Creation	USN-1	Connect Sensors and Arduino with python code	12	High	PRADEEP PAL T PREMNATH M AAKASH A ARAVINDH J
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	12	High	PRADEEP PAL T PREMNATH M AAKASH A ARAVINDH J
Sprint-3	Registration (Mobile User MIT APP INVENTER)	USN-3	As a user, I can register for the application by entering my email and password	4	High	PRADEEP PAL T PREMNATH M AAKASH A ARAVINDH J
Sprint-3	Login	USN-4	As a user, I can log into the applicationby entering username & password.	4	High	PRADEEP PAL T PREMNATH M AAKASH A ARAVINDH J
Sprint-3	Dashboard	USN-5	As a User can view the dashboard, and this dashboard includes temperature, Humidity and Soil moisture values	6	High	PRADEEP PAL T PREMNATH M AAKASH A ARAVINDH J
Sprint-4	Logout	USN-7	Then check the Temperature, humidity and soil	6	Medium	PRADEEP PAL T PREMNATH M AAKASH A

			moisture after logout or exit the application			ARAVINDH J
Sprint-4	Web UI	USN-8	As a user, I need to have a friendly user interface to easily view and access the resources	6	Medium	PRADEEP PAL T PREMNATH M AAKASH A ARAVINDH J

Project Tracker, Velocity & Burndown Chart:

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	18	6 Days	24 Oct 2022	29 Oct 2022	12	04 Nov 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	08 Nov 2022
Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022	14	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	12	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 for sprint 1 = Sprint Duration /velocity = 12/6 = 2 AV

for sprint 2 = Sprint Duration/Velocity = 12/6 = 2 AV for

Sprint 3 = Sprint Duration/Velocity = 14/6 = 2.3AV for

Sprint 4 = Sprint Duration/Velocity = 12/6 = 2