

Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID09732
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
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	Sensor data generated using Random in python	USN-4	As a user, I will receive the detected data from the field in dashboard. The data is simulated using python random function.	8	Medium	Mishal Rai
Sprint-2	API call via cloud	USN-5	As a user, I can give a permission for the activation of the automated irrigation system	8	High	Aman Darjee
Sprint-3	Registration	USN-1	As a user, I can register for the application by entering my mobile number	5	High	Kusen Hang Subba
		USN-2	As a user, I will receive confirmation using the one-time password	3		
	Dashboard	USN-3	As a user I can login into mobile/web application using mobile number and password	5		
Sprint-4	Mobile and web application development	USN-6	As a user, I can monitor and control the field and irrigation system from remote location	5	High	Amrit Rai

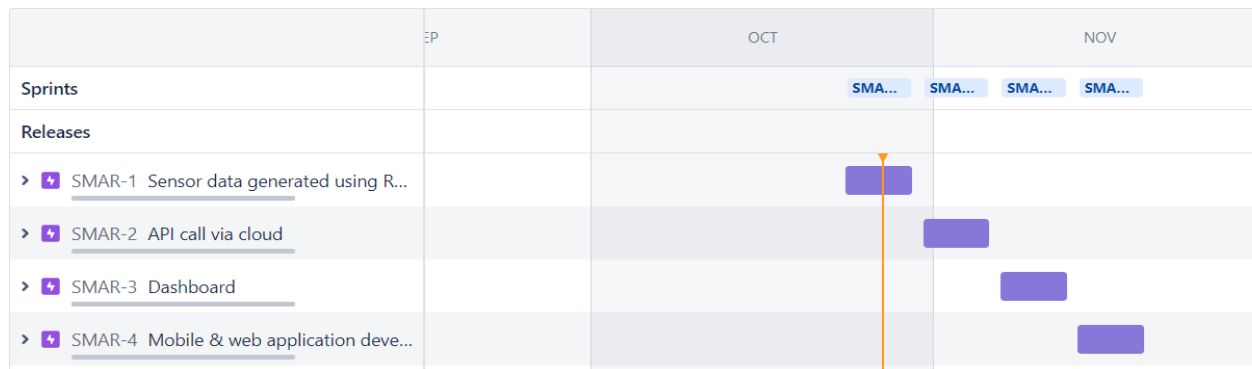
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

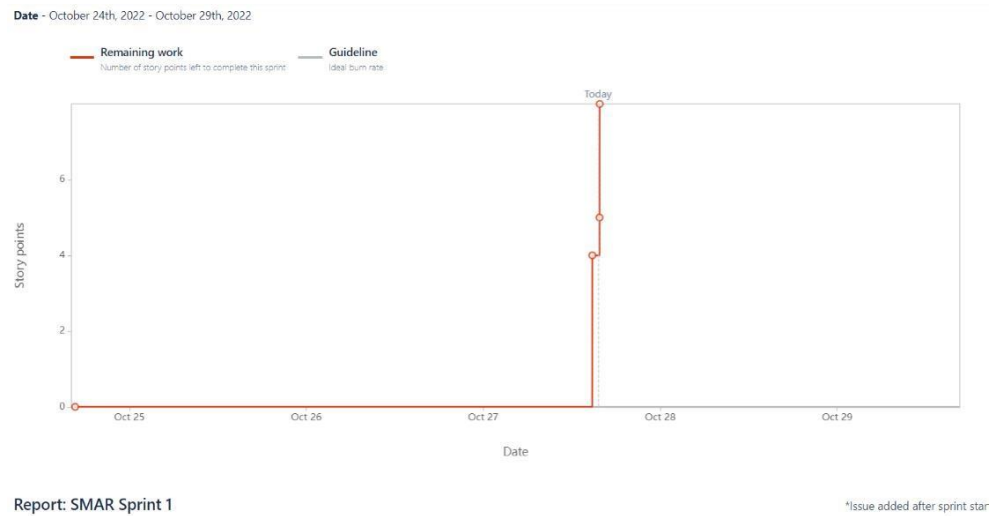
Sprint Velocity:

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

Road map:



Burndown Chart:

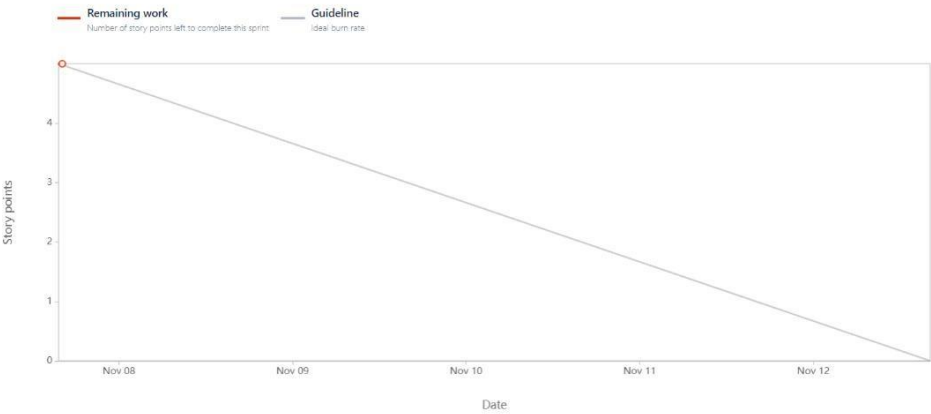


Sprint 1: Mishal Rai



Sprint 2:Aman Darjee

Date - November 7th, 2022 - November 12th, 2022

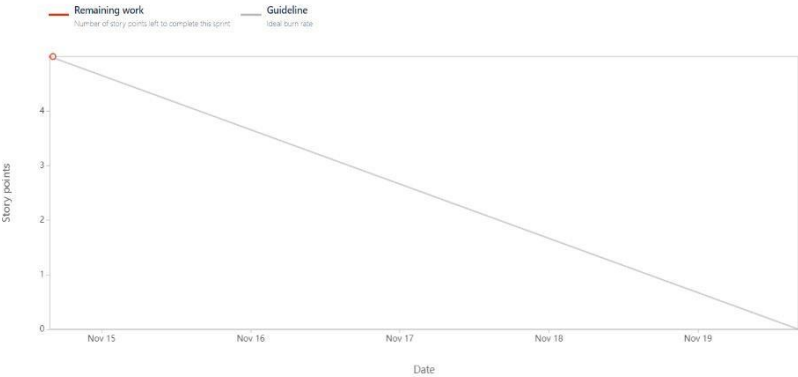


Report: SMAR Sprint 3

*Issue added after sprint start

Sprint 3: Kusen Hang Subba

Date - November 14th, 2022 - November 19th, 2022



Report: SMAR Sprint 4

*Issue added after sprint start

Sprint 4: Amrit Rai