Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID30270
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-1	As a user, I will receive the detected data from the field in dashboard. The data is simulated using python random function.	8	Medium	Gobinath G
Sprint-2	Data interface with web UI and mobile app	USN-2	As a user, I can view the data generated in web UI and mobile application	8	High	Boobalan R
Sprint 3	API for controlling	USN-3	As a user I can control the motor ON and Off from web UI and Mobile application	5	Medium	Karthick raja s
Sprint-4	Mobile and web application development	USN-4	As a user, I can monitor and control the field and irrigation system from remote location	5	High	Jayakumar M

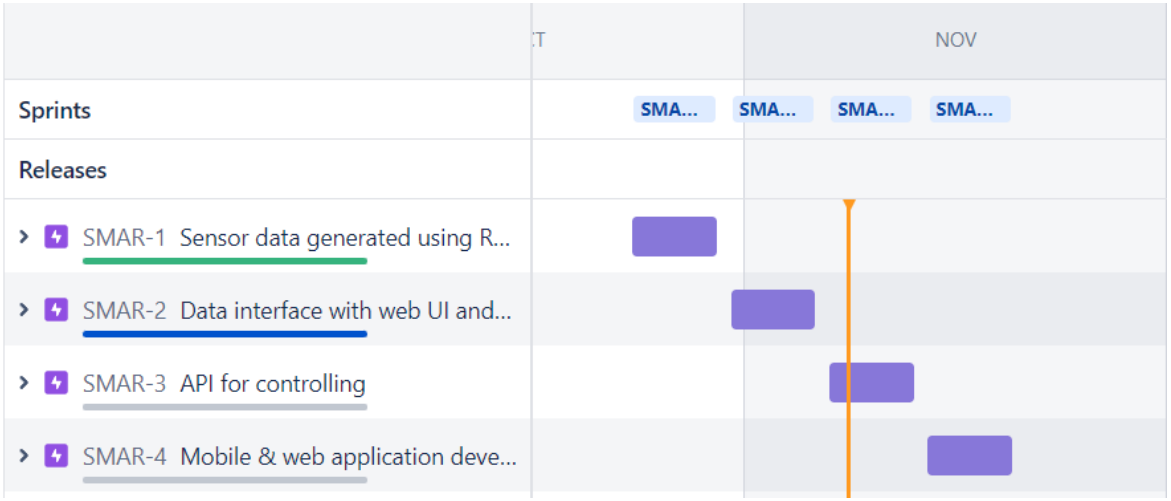
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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

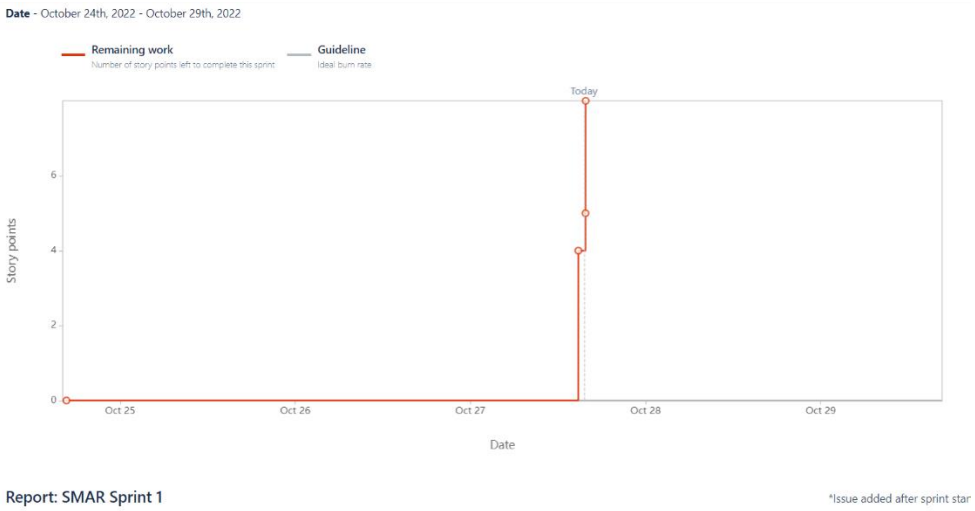
Sprint Velocity:

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

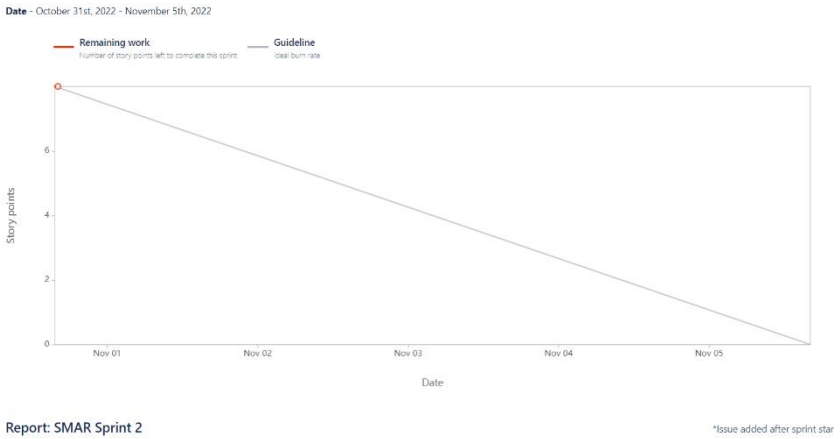
Road map:



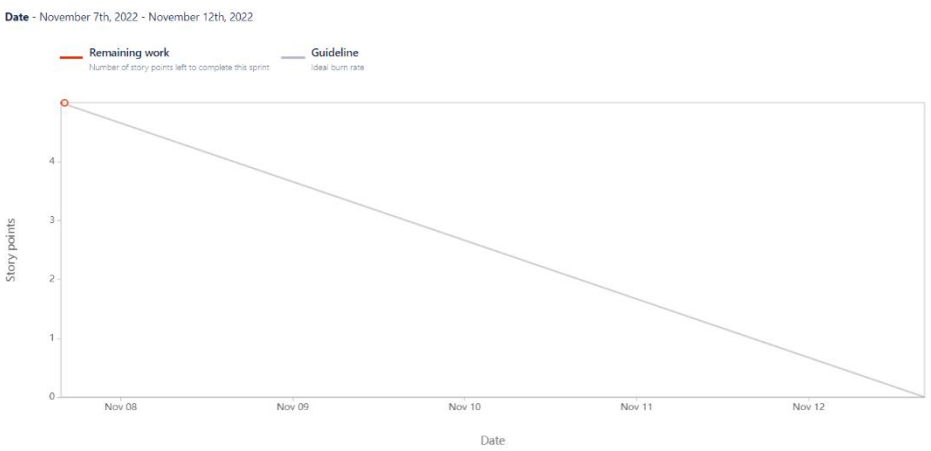
Burndown Chart:



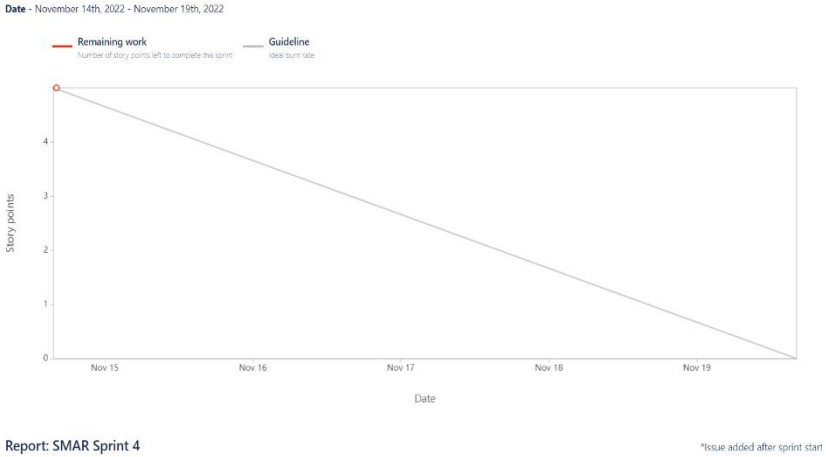
Sprint 1: Gobinath G



Sprint 2:Boobalan R



Sprint 3: Karthick raja S



Sprint 4: Jayakumar M