Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID30274
Project Name	Project – Gas Leakage Monitoring & Alerting System for Industries
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	Installation	USN-1	As a user, I have to monitor the any leakage in the pipe in Advance	3	High	Kishor G. K
Sprint-2	Checking	USN-2	As a user, I will receive the alert message when the gas is leaked	2	Medium	Divyanand MH
Sprint-3	Dash Board	USN-3	As a user, I can make the all information in the dash board for the checking in future	1	Low	Bhoobesh M
Sprint-4	Cloud Storage	USN-4	As a user, I can retrieve or checking the data when the failures occur	2	Medium	Arshaath A

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

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

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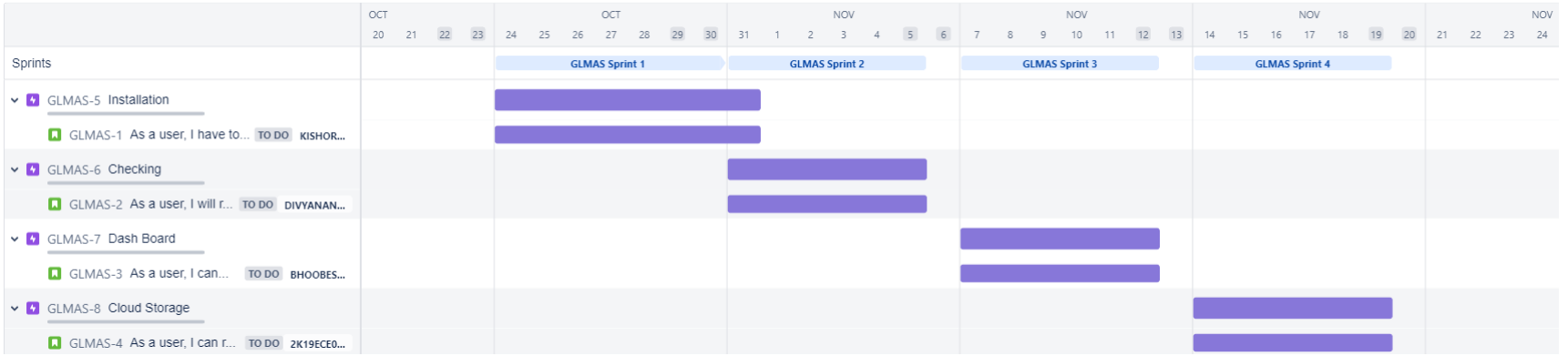
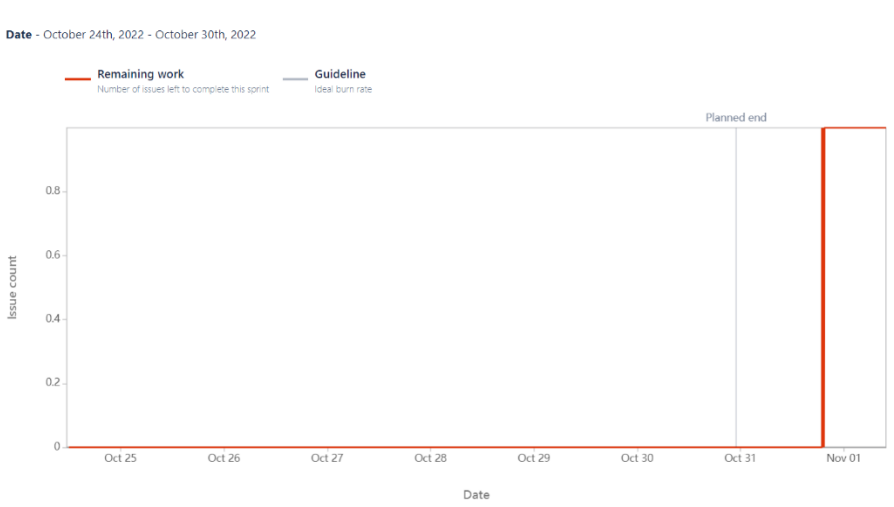
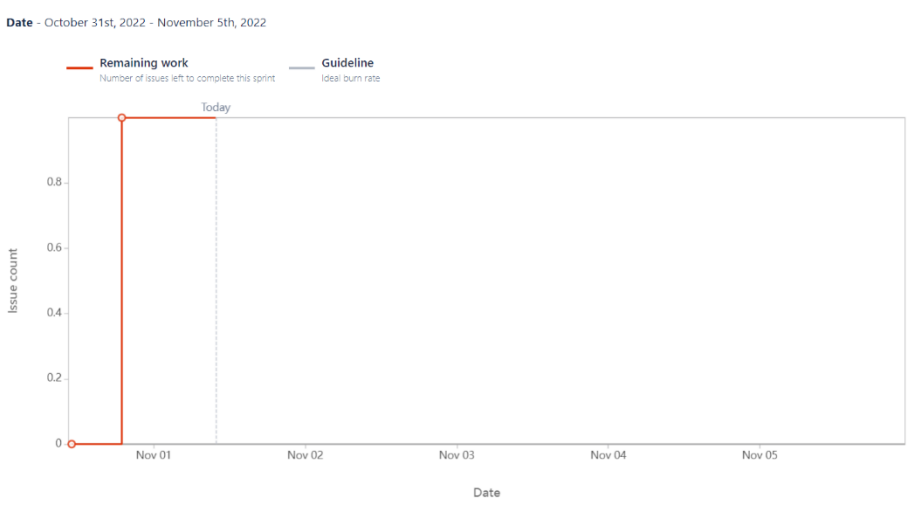
Road Map:


OCT
20 21 22 23
OCT
24 25 26 27 28 29 30
NOV
31 1 2 3 4 5 6
NOV
7 8 9 10 11 12 13
NOV
14 15 16 17 18 19 20
NOV
21 22 23 24
Sprints
GLMAS Sprint 1
GLMAS Sprint 2
GLMAS Sprint 3
GLMAS Sprint 4
GLMAS-5 Installation
GLMAS-1 As a user, I have to... TO DO KISHOR...
GLMAS-6 Checking
GLMAS-2 As a user, I will r... TO DO DIVYANAN...
GLMAS-7 Dash Board
GLMAS-3 As a user, I can... TO DO BHOOBES...
GLMAS-8 Cloud Storage
GLMAS-4 As a user, I can r... TO DO 2K19ECE0...

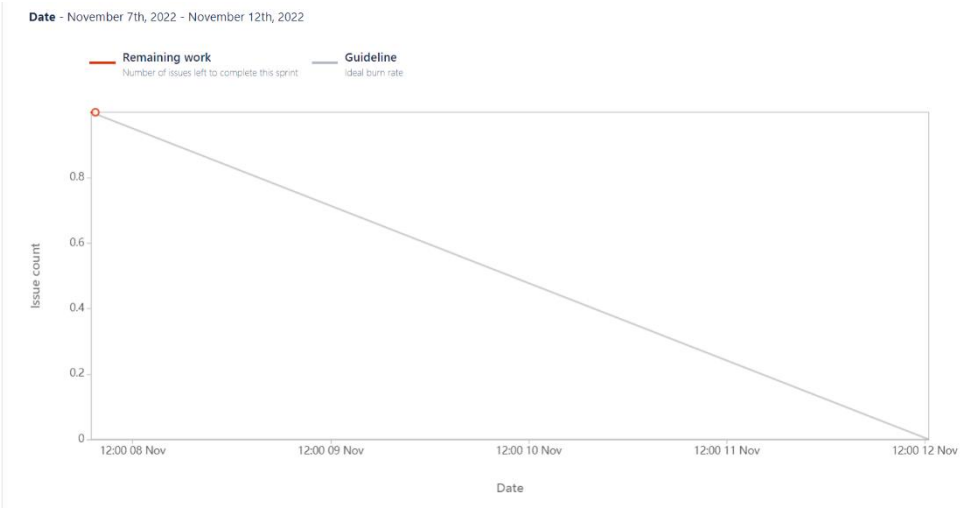
Burndown Chart:



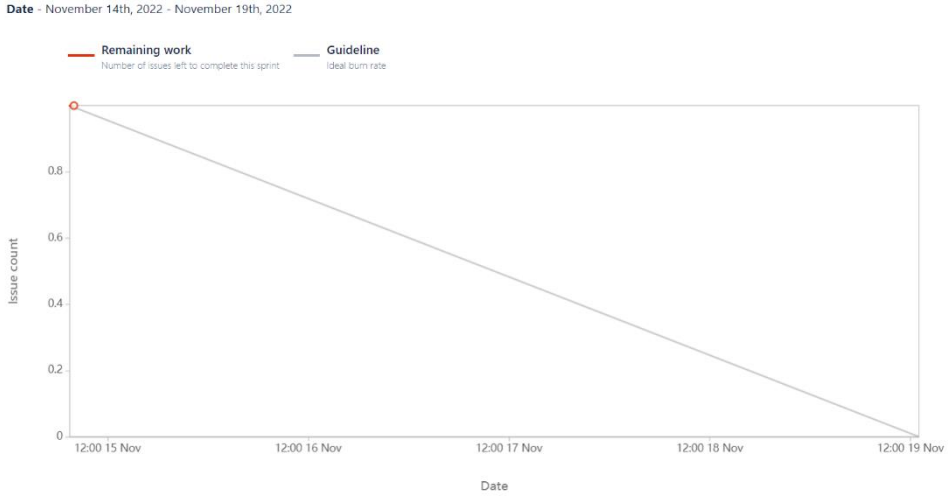
Sprint-1 (G.K. Kishor)



Sprint-2 (Divyanand MH)



Sprint -3 (Bhoobesh M)



Sprint - 4 (Arshaath A)