Project Planning Phase

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

Date	06 November 2022
Team ID	PNT2022TMID21717
Project Name	Project – Gas Leakage Monitoring and Alerting System
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Objective	USN-1	The gas sensor should identify the gas as a system.	8	High	SNEHA.K
Sprint-1	Features	USN-2	The readings from the gas sensor should be displayed as a system on an LCD panel.	2	Low	HARSHA
Sprint-1	Features	USN-3	The red colour LED should switch on as a system as soon as the detected gas crosses the threshold level.	5	High	SURYEAH
Sprint-1	Features	USN-4	The system should activate the alarm as soon as the detected gas reaches the threshold level..	5	High	SNEGA.K
Sprint-2	Focus	USN-5	It should send the position where the gas is detected as a system.	8	High	HARSHA

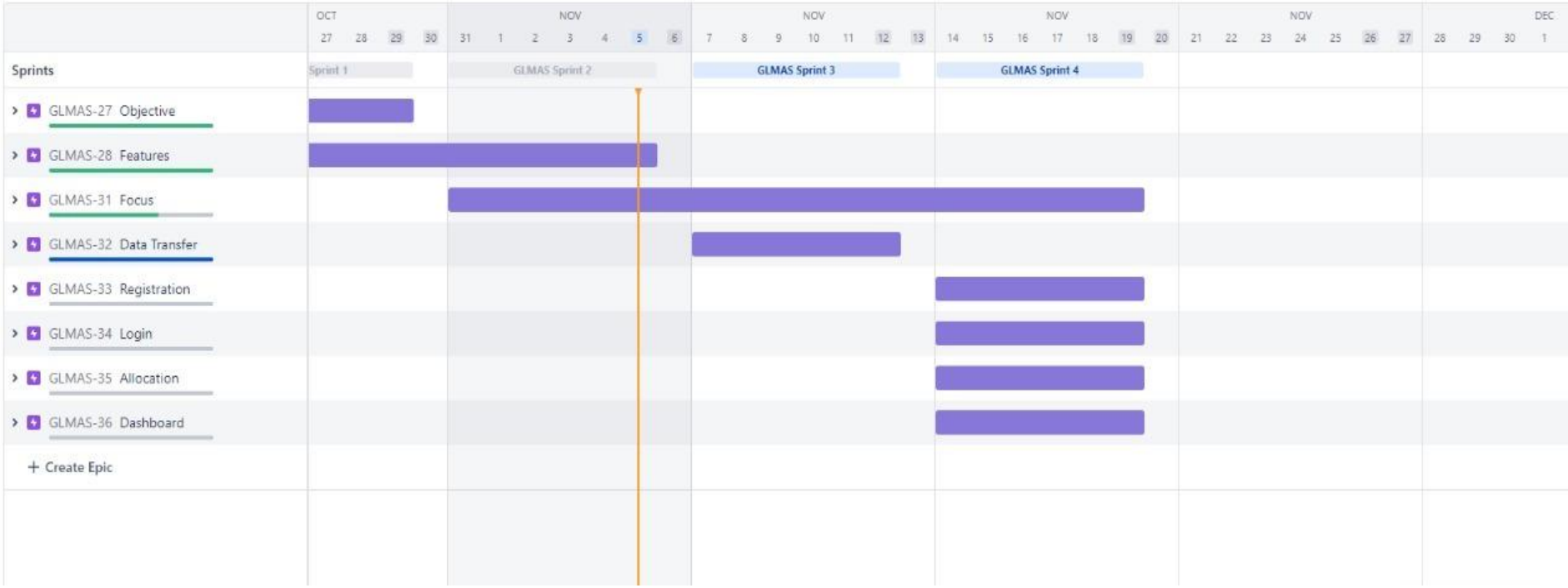
Sprint-2	Focus	USN-6	Additionally, as a system, it must send the alerting SMS to the specified phone number.	2	Low	SNEHA.K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Features	USN-7	Once it reaches the threshold value, the gas leaking pipe should automatically close as a system.	5	Medium	SURYEAH
Sprint-2	Features	USN-8	The system will send an SMS to the registered mobile number and display on the LCD screen that the gas leakage pipe is closed.	5	Medium	SNEGA.K
Sprint-3	Data Transfer	USN-9	As a programme, it must obtain the IBM cloud's API key in order to provide the system's specifics.	2	Low	HARSHA
Sprint-3	Data Transfer	USN-10	It should act as a system and transmit sensor data together with latitudes and longitudes to the IBM cloud.	5	Medium	SNEHA.K
Sprint-3	Data Transfer	USN-11	The IBM cloud should provide the information to NodeRed as a cloud system.	2	Medium	SNEGA.K
Sprint-3	Data Transfer	USN-12	It should function as a mechanism to gather data from NodeRed and provide it to the mit app's backend.	3	Medium	SURYEAH
Sprint-3	Data Transfer	USN-13	Through the frontend of the mit app, the application should show the user information about the gas level and other details.	8	High	HARSHA

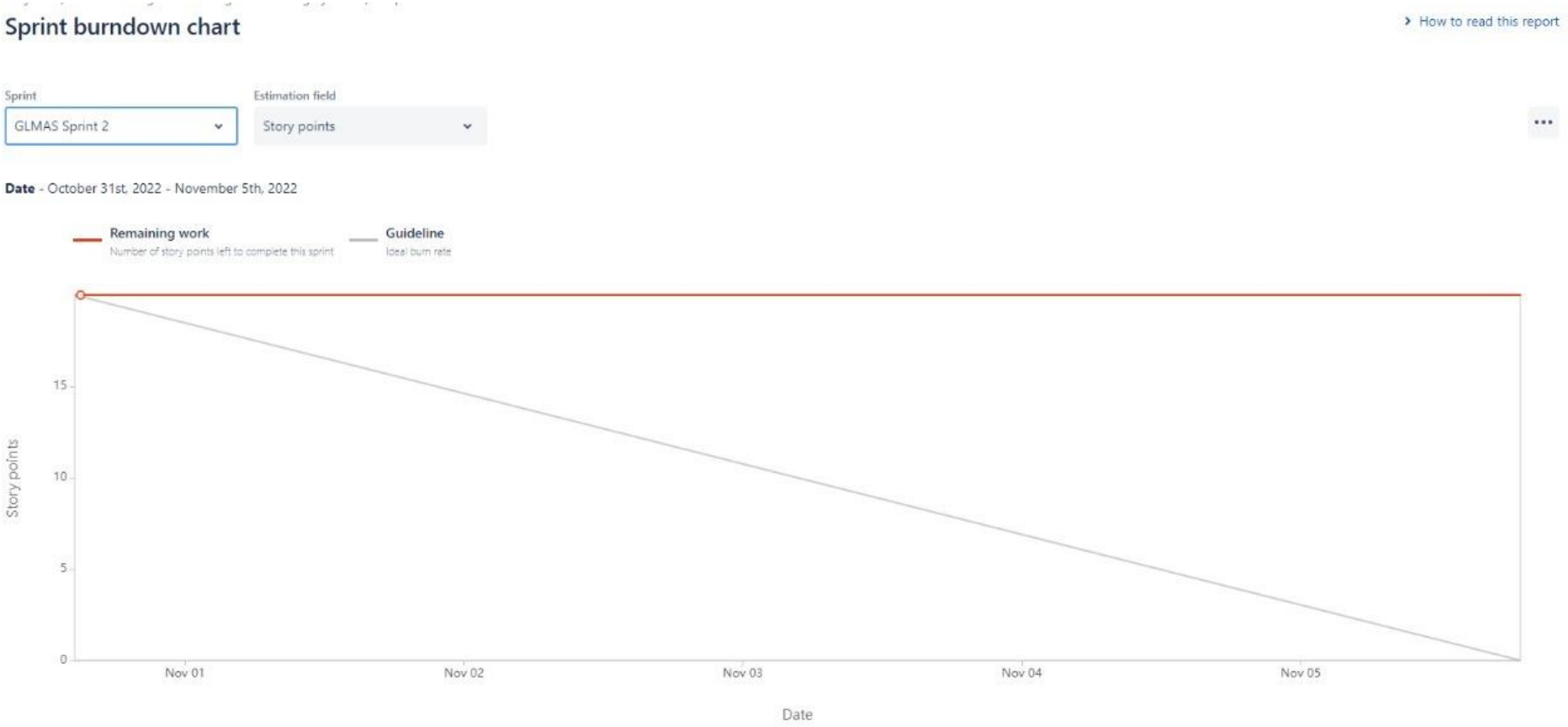
Sprint-4	Registration	USN-14	I have to sign up as a user by entering my email address and mobile number.	2	High	SNEHA.K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Registration	USN-15	I must have a confirmation email as a user and message upon registration	2	Medium	HARSHA
Sprint-4	Login	USN-16	Upon registering, I must receive a message and an email of confirmation.	3	High	SNEGA.K
Sprint-4	Dashboard	USN-17	I may access the dashboard and use the resources that are offered as a user.	2	Medium	SNEHA.K
Sprint-4	Focus	USN-18	I, as a user, must get an SMS as soon as the leak is discovered.	5	High	SURYEAH
Sprint-4	Allocation	USN-19	As an administrator, I must learn about the leakage and its position in order to provide the person with their precise location and travel directions.	3	High	HARSHA
Sprint-4	Allocation	USN-20	As an administrator, I must assign a certain person to take care of the leaking in a specific location.	3	High	SNEHA.K

ROAD MAP:


OCT
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 25 26 27
DEC
28 29 30 1
Sprints
Sprint 1
GLMAS Sprint 2
GLMAS Sprint 3
GLMAS Sprint 4
GLMAS-27 Objective
GLMAS-28 Features
GLMAS-31 Focus
GLMAS-32 Data Transfer
GLMAS-33 Registration
GLMAS-34 Login
GLMAS-35 Allocation
GLMAS-36 Dashboard
+ Create Epic

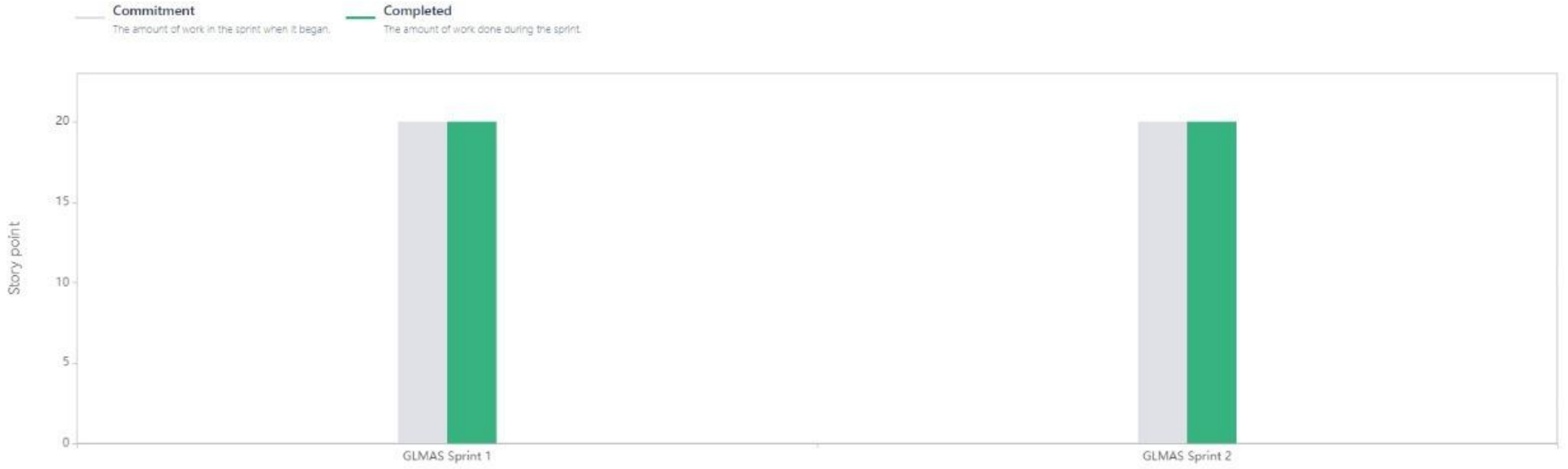
SPRINT BURNDOWN CHART:



VELOCITY REPORT:

Velocity report

› How to read this report



Sprint	Commitment	Completed
GLMAS Sprint 1	20	20
GLMAS Sprint 2	20	20

CUMULATIVE FLOW DIAGRAM: