

Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID27071
Project Name	Project - Gas Leakage Monitoring and Alerting System for Industries.
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	Preventing from explosion	USN-1	The safety officer of the industry needs to prevent anyone from being exposed to toxic gases that could poison or kill.	10	Medium	Abija Mercy J A
Sprint-1	Analysing the gas leakage	USN-2	The safety officer of the industry who wants to save his employees from explosion must take necessary actions.	10	High	Abija Mercy J A
Sprint-2	To detect the gas leakage	USN-3	The safety officer of industry should take certain steps by installing gas detectors in their industry.	20	High	Kaviya M
Sprint-3	Testing and training of the model device	USN-4	The programmer can design a gas leakage detection model by training the dataset.	20	High	Lijitha Aswi A
Sprint-4	Notification	USN-5	The gas leakage in the industry is detected by the device which is further notified by using SMS or alarming systems.	20	High	Kumaran N T

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

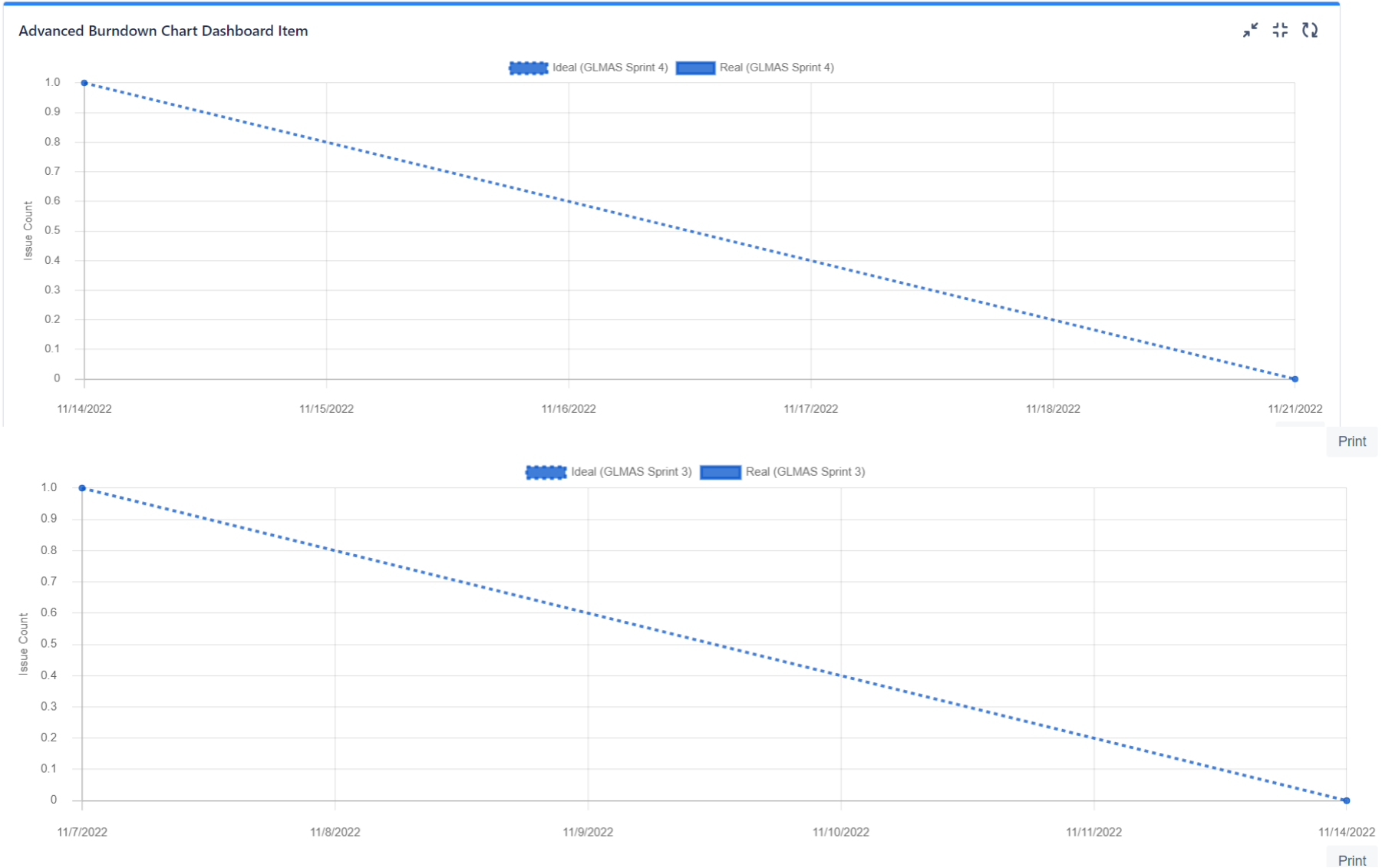
Sprint	Total Story Points (Goal)	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (Done)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	27 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	16 Nov 2022

Velocity:

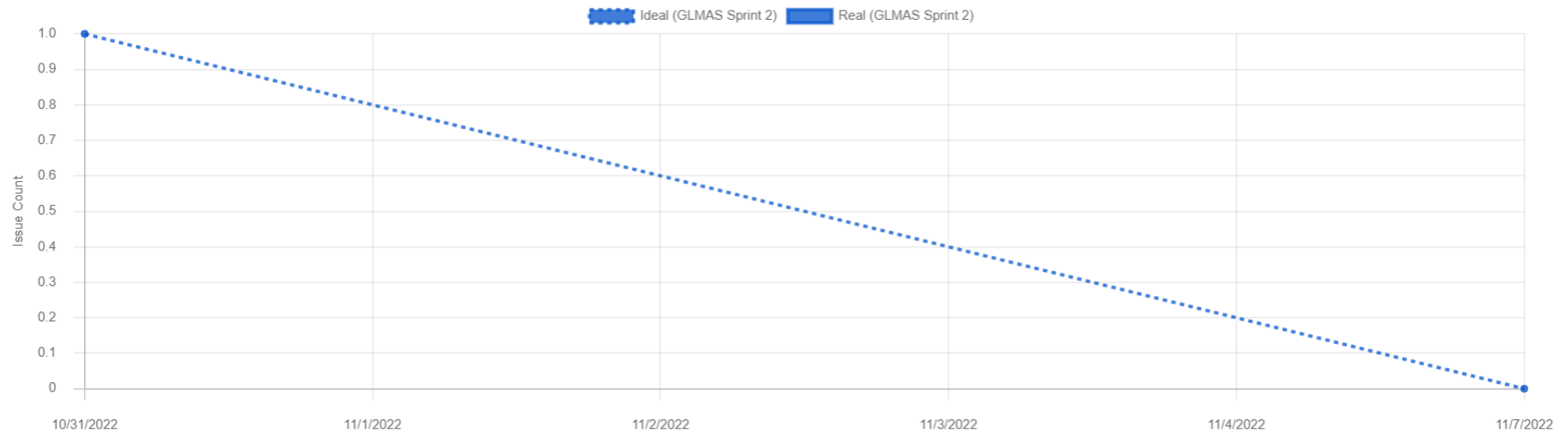
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

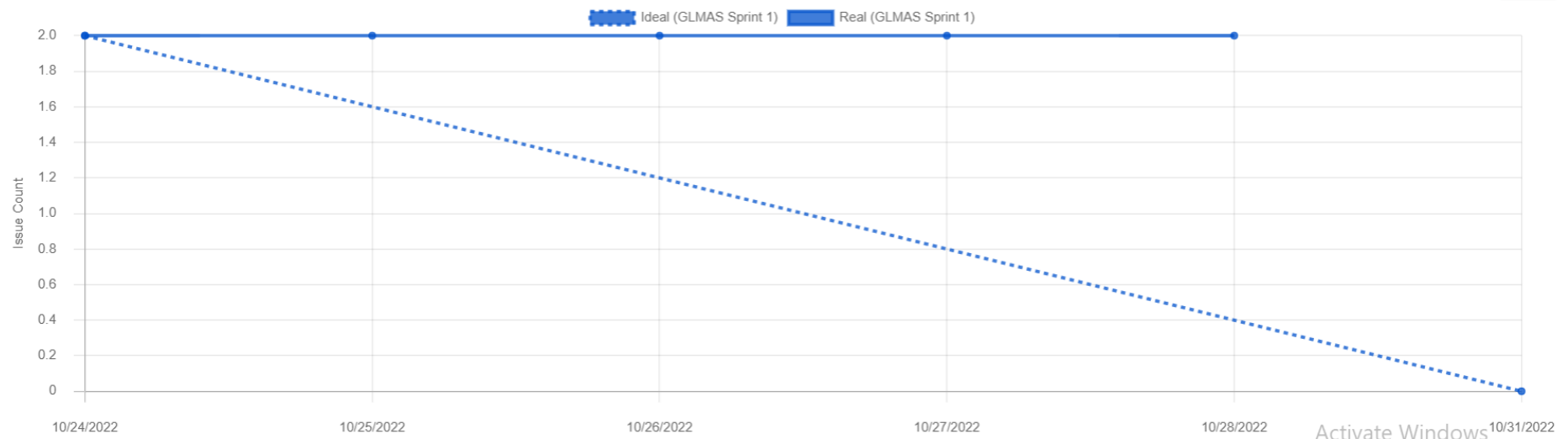
Burndown Chart



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Road Map

