Project Planning Phase

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

Date	19 November 2022
Team ID	PNT2022TMID46034
Project Name	Natural Disaster Intensity Analysis and Design
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	KAVITHA.M.R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	KEERTHANA. R
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	KIRUTHIGA.D
Sprit-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	KAVITHA.M.R
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	KEERTHANA.R
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	KIRUTHIGA. D

Sprint-1	login	USN−7	As a user, I can log into the web application and access the dashboard	2	High	KAVITHA.M.R
Sprnt-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	KEERTHANA.R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Management	USN-9	As an administrator, I can collect new datasets and keep the model trained	2	High	KIRUTHIGA. D
Sprint-3		USN-10	As an administrator, I can update other features of the application	2	Medium	KAVITHA.M.R
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	KEERTHANA. R
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	KIRUTHIGA. D

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	8	6 Days	26 Oct 2022	31 Oct 2022	8	29 Oct 2022
Sprint-2	4	6 Days	1 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	6	6 Days	6 Nov 2022	10 Nov 2022	6	12 Nov 2022
Sprint-4	2	6 Days	10 Nov 2022	13 Nov 2022	2	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)

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

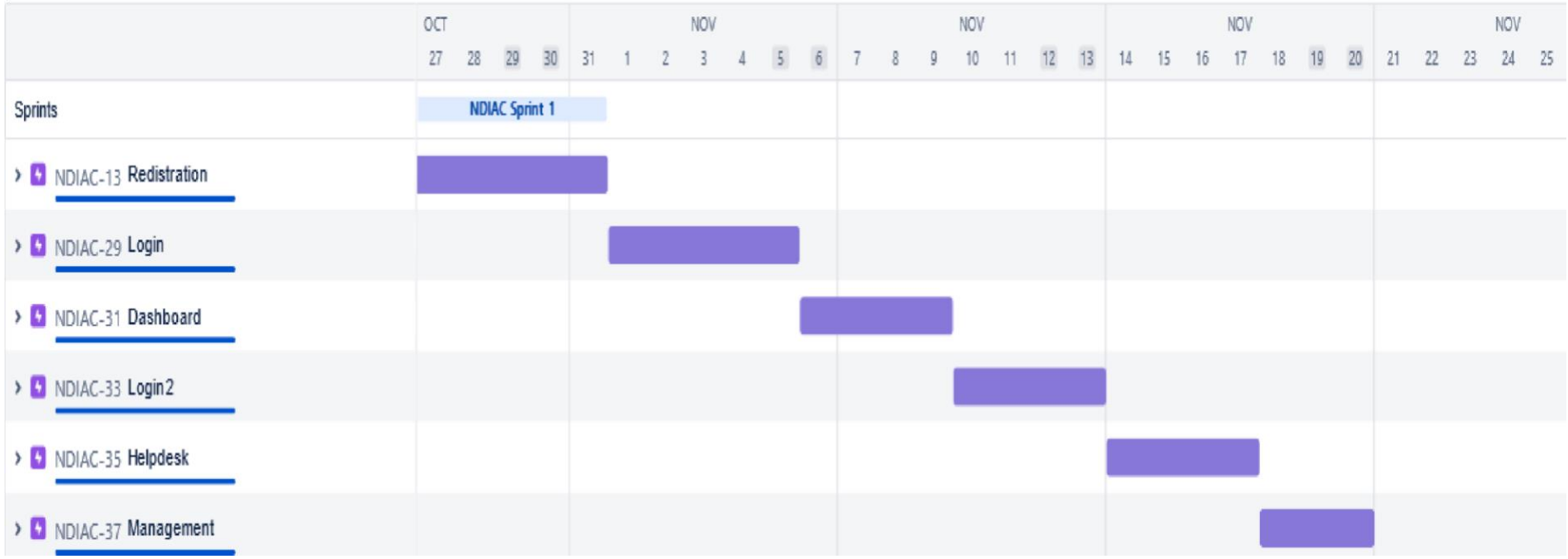
AV (Sprint 1) = 8/6 = 1
AV (Sprint 2) = 4/6 = 1
AV (Sprint 3) = 6/6 = 1

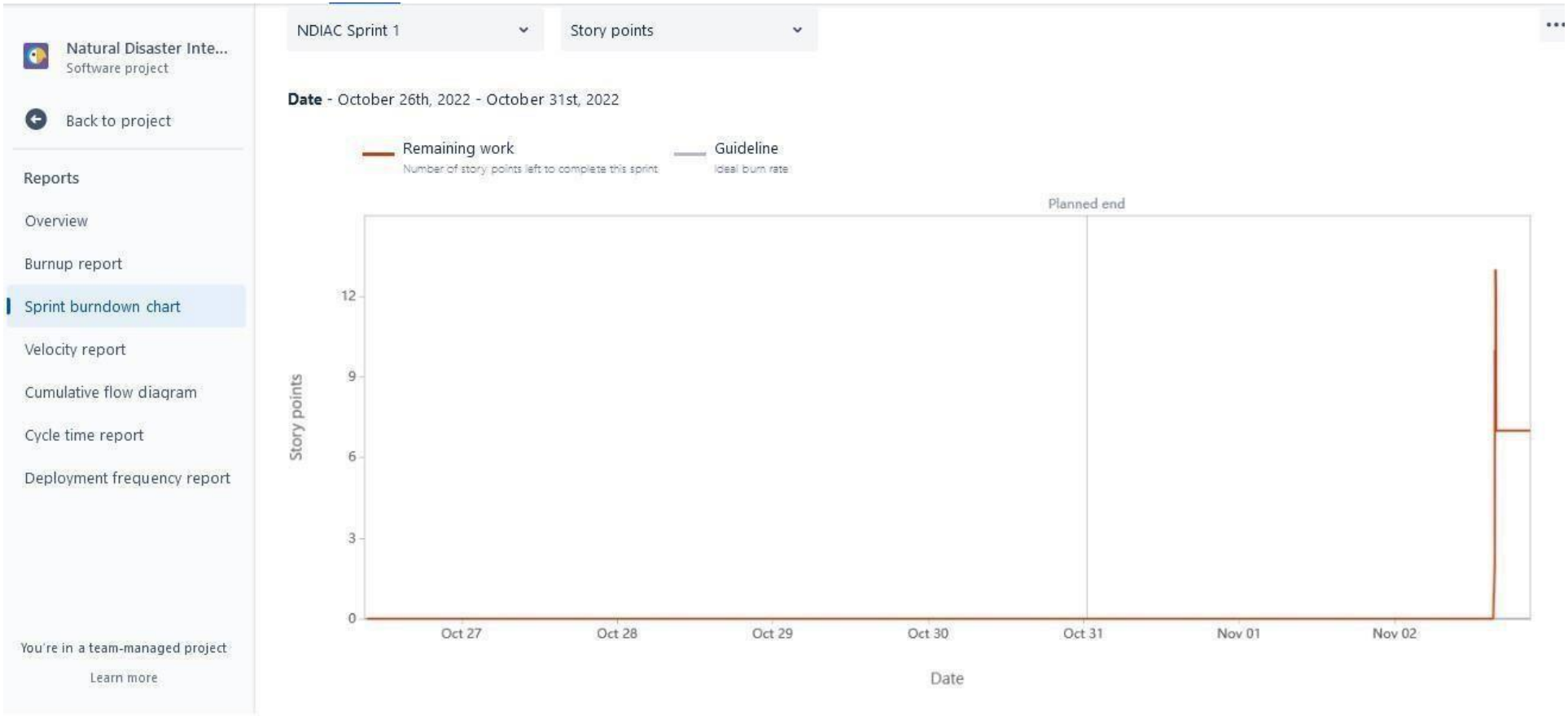
AV (Sprint 4) = 2/6 = 1

AV (Total) = 20/24 = 1 (appx., 1 sprint to be completed per day)

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.




Natural Disaster Inte...
Software project
Back to project
Reports
Overview
Burnup report
Sprint burndown chart
Velocity report
Cumulative flow diagram
Cycle time report
Deployment frequency report
You're in a team-managed project
Learn more
NDIAC Sprint 1
Story points
Date - October 26th, 2022 - October 31st, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Planned end
Story points
12
9
6
3
0
Oct 27
Oct 28
Oct 29
Oct 30
Oct 31
Nov 01
Nov 02
Date