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

Date	29 October 2022
Team ID	PNT2022TMID25540
Project Name	Natural Disaster Intensity Analysis and Classification
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	Shiji
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sharmila
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Ranjani
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	Reenathangam
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Nivetha
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	Shiji
Sprint-1	login	USN-7	As a user, I can log into the web application and access the dashboard	2	High	Sharmila
Sprint-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	Ranjani
Sprint-3	Management	USN-9	As an administrator, I can collect new datasets and keep the model trained	2	High	Reenathangam

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-10	As an administrator, I can update other features of the application	2	Medium	Nivetha
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	Shiji
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	Sharmila

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

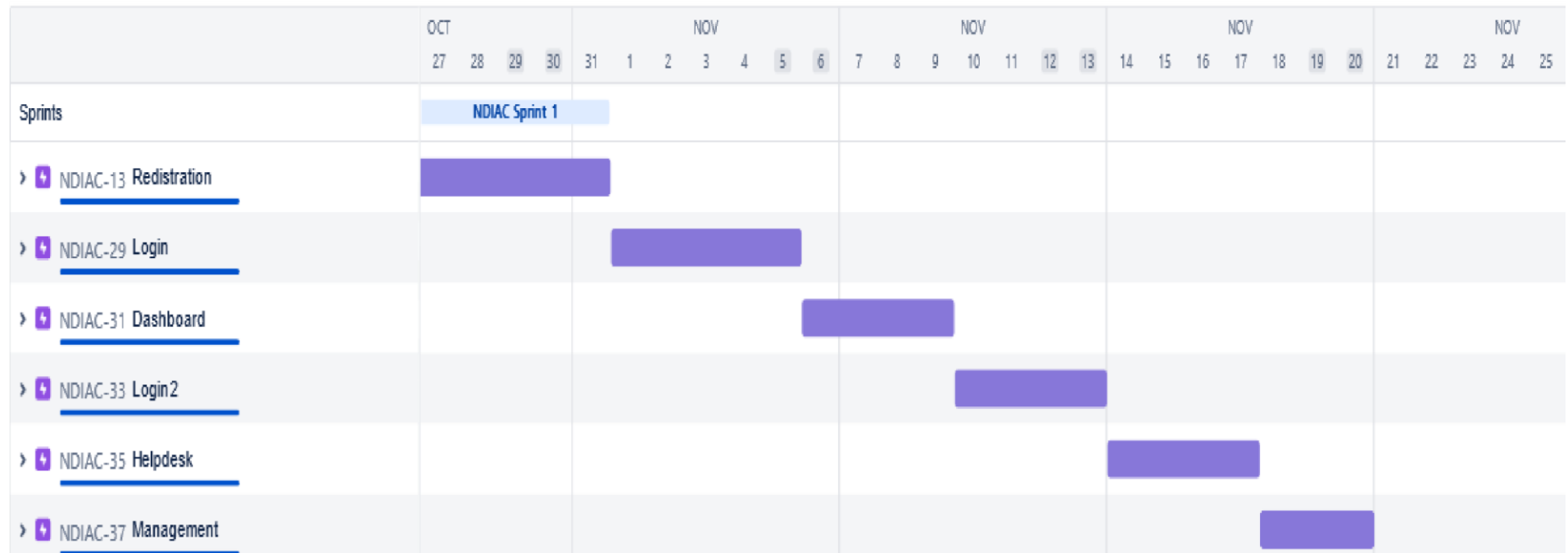AV (Sprint 3) = 6/6 = 1

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.

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Software project

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Reports

Overview

Burnup report

Sprint burndown chart

Cumulative flow diagram

Cycle time report

Deployment frequency report

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Date - October 26th, 2022 - November 19th, 2022

— **Remaining work**
Number of story points left to complete this sprint

— **Guideline**
Ideal burn rate