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

Date	02 November 2022
Team ID	PNT2022TMID45665
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
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	praveen kumar
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	balaji
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	karthik
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	Mahamalini
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	praveen kumar
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	Balaji
Sprint-1	login	USN-7	As a user, I can log into the web application and access the dashboard	2	High	Karthik
Sprint-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	Mahamalini

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	Praveen Kumar

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	Balaji
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	Karthik
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	Mahamalini

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.

	OCT				NOV							NOV							NOV							NOV				
	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Sprints			NDIAC Sprint 1																											
› NDIAC-13 Redistration																														
› NDIAC-29 Login																														
› NDIAC-31 Dashboard																														
› NDIAC-33 Login2																														
› NDIAC-35 Helpdesk																														
› NDIAC-37 Management																														

Reports

Overview

Burnup report

Sprint burndown chart

Velocity report

Cumulative flow diagram

Cycle time report

Deployment frequency report

| 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