Project Planning Phase

Date	23 October 2022
Team ID	PNT2022TMID40634
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
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-2	Registration	USN-1	As a user, I can register for the application by enteringmy email, password, and confirming my password.	3	Medium	Monisha, Mahalakshmi, Priya
Sprint-2		USN-2	As a user, I will receive confirmation email once I haveregistered for the application	2	Low	Monisha, Mahalakshmi
Sprint-3		USN-3	As a user, I can register for the application throughFacebook	2	Low	Monisha, Priya
Sprint-3		USN-4	As a user, I can register for the application throughGmail	3	Medium	Monisha, Mahalakshmi, Priya
Sprint-2	Login	USN-5	As a user, I can log into the application by enteringemail & password	3	Medium	Sendhoori, Monisha, Mahalakshmi
Sprint -1	Dataset	USN-6	The dataset is collected and pre-processed and split fortraining and testing.	5	High	Monisha, Mahalakshmi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -1	Detection	USN-8	As a user, I am able to view accurate detection of forestfire in order to combat it	5	High	Monisha, Mahalakshmi, Sendhoori
Sprint-1	Alert	USN-9	The user is notified when forest fire is detected.	5	High	Sendhoori, Monisha, Mahalakshmi
Sprint-2		USN-10	An alarm is activated when forest fire is detected and allconcerned authorities are notified.	10	High	Monisha, Priya, Mahalakshmi
Sprint-2	Video processing	USN-11	Real time video is used and converted to frames fordetection of forest fire.	5	High	Sendhoori, Monisha, Mahalakshmi
Sprint-3	Chat box	USN-12	Chat box is present to help users with queries	5	Medium	Priya, Mahalakshmi, Monisha
Sprint-3	Cloud	USN-13	The application is deployed through cloud	10	High	Sendhoori, Priya, Monisha, Mahalakshmi
Sprint-4	Dashboard	USN-14	As a user the dashboard is quick and easy to navigate.	5	High	Sendhoori, Monisha, Mahalakshmi, Priya,
Sprint-4	Testing	USN-15	The system is thoroughly tested and unit testing, integration testing and system testing is performed	10	High	Sendhoori, Monisha, Mahalakshmi

Sprint-4	Visualization	USN-16	The output is shown through simple visualization	5	Medium	Sendhoori, Monisha, Mahalakshmi, Priya,

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 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	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

Burn down Chart: