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

Date	23 October 2022
Team ID	PNT2022TMID46941
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 entering my email, password, and confirming my password.	3	Medium	Sathish ,prakash Prem, Johnson
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Low	Sathish ,prakash Prem, Johnson
Sprint-3		USN-3	As a user, I can register for the application through Facebook	2	Low	Sathish ,prakash
Sprint-3		USN-4	As a user, I can register for the application through Gmail	3	Medium	Prakash, Prem, Johnson
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	3	Medium	prakash Prem, Johnson
Sprint -1	Dataset	USN-6	The dataset is collected and pre-processed and split for training and testing.	5	High	Sathish ,prakash Prem, Johnson

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -1		USN-7	The model is created and trained using test and train dataset.	5	High	Prem, Johnson
Sprint -1	Detection	USN-8	As a user, I am able to view accurate detection of forest fire in order to combat it	5	High	Sathish ,prakash Prem, Johnson
Sprint-1	Alert	USN-9	The user is notified when forest fire is detected.	5	High	Sathish ,prakash Prem, Johnson
Sprint-2		USN-10	An alarm is activated when forest fire is detected and all concerned authorities are notified.	10	High	Sathish ,prakash Prem, Johnson
Sprint-2	Video processing	USN-11	Real time video is used and converted to frames for detection of forest fire.	5	High	Sathish ,prakash Prem
Sprint-3	Chat bot	USN-12	Chatbot is present to help users with queries	5	Medium	Prakash Prem, Johnson
Sprint-3	Cloud	USN-13	The application is deployed through cloud	10	High	Sathish ,prakash Prem
Sprint-4	Dashboard	USN-14	As a user the dashboard is quick and easy to navigate.	5	High	prakash Prem, Johnson
Sprint-4	Testing	USN-15	The system is thoroughly tested and unit testing ,integration testing and system testing is performed	10	High	Sathish ,prakash Johnson

Sprint-4	Visualisation	USN-16	The output is shown through simple visualisation	5	Medium	Sathish ,prakash Prem, Johnson

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)

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

Burndown Chart:

Sprints	OCT 24	25	26	27	28	29	30	NOV 31	1	2	3	4	5	6	NOV 7	8	9	10	11	12	13	NOV 14	15	16	17	18	19	20
⚡ EMFEDFF-12 Collecting Dataset	████████████████																											
⚡ EMFEDFF-13 Training & Testing of Model		████████████																										
⚡ EMFEDFF-14 Reviewing the Model								████████████████																				
⚡ EMFEDFF-15 Implementing the Model															████████████													
⚡ EMFEDFF-16 Connecting it with API																						████████████████						