Project Planning Phase

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

TEAM ID	PNT2022TMID49950
TEAM LEADER	JENIFER Y
TEAM MEMBERS	SINDHUJA K , HARIHARAN K , KASI MOORTHI M
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	Jenifer y ,kasimoorthi m,harikaran k
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Low	Jenifer y,sindhuja k Kasimoorthi m,hariharan k

Sprint-3		USN-3	As a user, I can register for the application through Facebook	2	Low	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-3		USN-4	As a user, I can register for the application through Gmail	3	Medium	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	3	Medium	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint -1	Dataset	USN-6	The dataset is collected and pre-processed and split for training and testing.	5	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint -1		USN-7	The model is created and trained using test and train dataset.	5	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k

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 forest fire in order to combat it	5	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-1	Alert	USN-9	The user is notified when forest fire is detected.	5	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-2		USN-10	An alarm is activated when forest fire is detected and all concerned authorities are notified.	10	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-2	Video processing	USN-11	Real time video is used and converted to frames for detection of forest fire.	5	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-3	Chat bot	USN-12	Chatbot is present to help users with queries	5	Medium	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-3	Cloud	USN-13	The application is deployed through cloud	10	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-4	Dashboard	USN-14	As a user the dashboard is quick and easy to navigate.	5	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k
Sprint-4	Testing	USN-15	The system is thoroughly tested and unit testing ,integration testing and system testing is performed	10	High	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k

Sprint-4	Visualisation	USN-16	The output is shown through simple visualisation	5	Medium	Jenifer y,sindhuja k, Kasimoorthi m ,hariharan k

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date (Planned)	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: