Project Planning Phase

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

Team ID	PNT2022TMID23181
Project Name	EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES

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	U Sakthi malavika, T Maha priya, R Suba sri, S Yoga pandeeswari
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Low	U Sakthi malavika, T Maha priya ,S Yoga pandeeswari
Sprint-3		USN-3	As a user, I can register for the application through Facebook	2	Low	U Sakthi malavika, T Maha priya
Sprint-3		USN-4	As a user, I can register for the application through Gmail	3	Medium	U Sakthi malavika, T Maha Priya, R Suba sri
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	3	Medium	S yoga pandeeswari ,U Sakthi malavika

Sprint -1	Dataset	USN-6	The dataset is collected and pre-processed and split for training and testing.	5	High	U Sakthi malavika, T Maha Priya,S Yoga pandeeswari, R Suba sri
Sprint -1		USN-7	The model is created and trained using test and train dataset.	5	High	U Sakthi maalavika, T Maha priya
	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	U Sakthi malavika, T Maha Priya,S Yoga pandeeswari, R Suba sri
Sprint-1	Alert	USN-9	The user is notified when forest fire is detected.	5	High	U Sakthi malavika, T Maha Priya,S Yoga pandeeswari
Sprint-2		USN-10	An alarm is activated when forest fire is detected and all concerned authorities are notified.	10	High	U Sakthi malavika, T Maha priya
Sprint-2	Video processing	USN-11	Real time video is used and converted to frames for detection of forest fire.	5	High	U Sakthi malavika, T Maha priya
Sprint-3	Chat bot	USN-12	Chatbot is present to help users with queries	5	Medium	S Yoga pandeeswari,U Sakthi malavika
Sprint-3	Cloud	USN-13	The application is deployed through cloud	10	High	U Sakthi malavika, T Maha Priya, S Yoga pandeeswari

Sprint-4	Dashboard	USN-14	As a user the dashboard is quick and easy to navigate.	5	High	U Sakthi malavika, T Maha Priya, S Yoga pandeeswari, R Suba sri
Sprint-4	Testing	USN-15	The system is thoroughly tested and unit testing ,integration testing and system testing is performed	10	High	U Sakthi malavika, T Maha priya R Suba sri
Sprint-4	Visualisation	USN-16	The output is shown through simple visualisation	5	Medium	U Sakthi malavika, T Maha Priya, S Yoga pandeeswari, R Suba sri

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

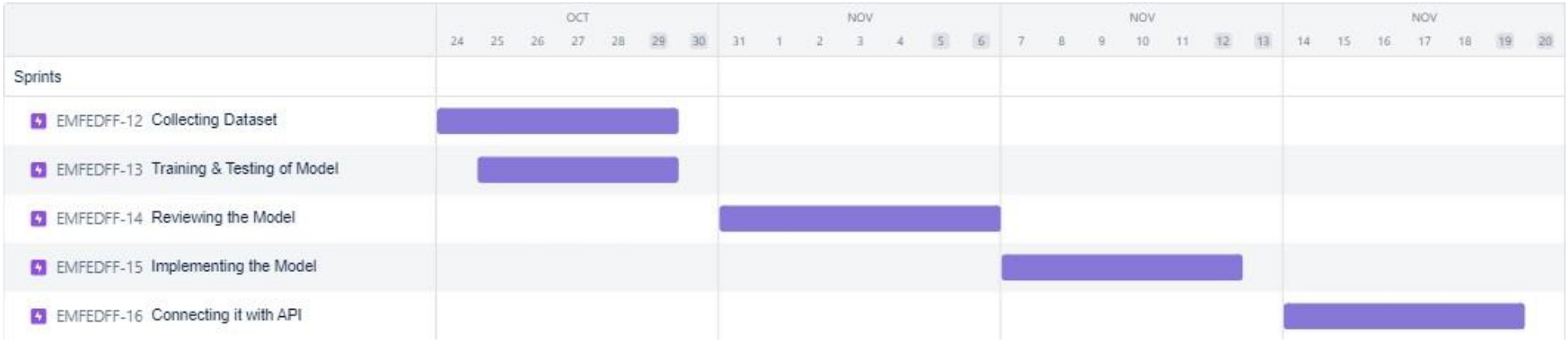
Sprint	**Total Story Points**	**Duration**	**Sprint Start Date**	**Sprint End Date (Planned)**	**Story Points Completed (as on Planned End Date)**	**Sprint Release Date (Actual)**
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	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:


OCT
NOV
NOV
NOV
24 25 26 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
Sprints
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