

Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID30190
Project Name	Emerging Methods For Early Methods of Forest Fires
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-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Sanjay GJ
Sprint-1		USN-2	As a user, I can register for the application through Mobile number.	3	Low	Sudhir Kumaar SJ
Sprint-1		USN-3	As a user, I can register for the application through Gmail	4	Medium	Sanjay GJ
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Sandeep Kumar Varma M
Sprint-2	Dashboard	USN-5	As a user ,I can check my account details on the dashboard	1	Low	Nandhakumar G
Sprint-2	Providing Images	USN-6	As a user, I should check for forest fires by either providing images or Camera.	5	High	Sudhir kumaar SJ
Sprint-4	Prediction	USN-7	As a user, I can view whether the forest is on fire or not.	5	High	Nandhakumar G Sandeep M
Sprint-3	Data Pre-Processing	USN-8	As a admin, I should clean and pre-process data using pandas.	5	High	Sanjay GJ Nandhakumar G Sudhir Kumaar SJ
Sprint-3		USN-9	As a admin, I should train and test the dataset using sklearn.	5	High	Sanjay GJ Sandeep M
Sprint-3	Model Building	USN-10	As an admin, I should predict the accuracy of data using supervised machine learning.	12	High	Sanjay GJ Sandeep Kumar Varma M

						Sudhir Kumaar SJ
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Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	API	USN-11	As an admin, I should connect the results and display it to the console or display using py flask	10	High	Sanjay GJ Nandhakumar G Sandeep Kumar Varma M Sudhir Kumaar SJ
Sprint-4	Notification	USN-12	As an admin, I should send the prediction Information	5	Medium	Sanjay GJ Sandeep M Sudhir SJ

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	17	8 Days	26 Oct 2022	3 Nov 2022		
Sprint-2	11	4 Days	5 Nov 2022	8 Nov 2022		
Sprint-3	22	5 Days	9 Nov 2022	14 Nov 2022		
Sprint-4	15	4 Days	16 Nov 2022	20 Nov 2022		

Velocity:

Average velocity of sprint-1: $AV = 17/8 = 2.125$

Average velocity of sprint-2: $AV = 11/4 = 2.75$

Average velocity of sprint-3: $AV = 22/5 = 5.5$

Average velocity of sprint-4: $AV = 15/4 = 3.75$

Burndown Chart:

