

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27942
Project Name	Project - 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-3	Registration	USN-1	As a user, I can register for the website by entering my email, password, and confirming my password.	1	High	Nithyasree, Valliammai
Sprint-3		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Nithyasree, Valliammai
Sprint-3		USN-3	As a user, I can register for the application through mobile number.	2	Medium	Nithyasree, Valliammai
Sprint-3		USN-4	As a user, I will receive confirmation SMS (OTP)	2	Medium	Nithyasree, Valliammai
Sprint-3	Login	USN-5	As a user, I can log into the application by entering email & password.	1	High	Nithyasree, Valliammai
Sprint-3		USN-6	As a user, I can upload image/video.	2	Medium	Nithyasree, Uthra
Sprint-3		USN-7	As a user, I get predicted output.	1	High	Nithyasree, Uthra
Sprint-3		USN-8	As a user, I can logout of the website.	3	Low	Nithyasree, Sidharth
Sprint-3		USN-9	As a developer, I can collect data and maintain user history.	3	Low	Nithyasree, Sidharth
Sprint-1	HTML pages	USN-10	As a developer, Build registration page using HTML	1	High	Uthra

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USN-11	As a developer, Build login page using HTML	1	High	Uthra
Sprint-1		USN-12	As a developer, Build home page using HTML	1	High	Uthra, Sidharth
Sprint-2		USN-13	As a developer, Build upload page using HTML	1	High	Uthra, Sidharth
Sprint-2		USN-14	As a developer, Build redirecting pages using HTML	3	Low	Uthra, Sidharth
Sprint-2		USN-15	As a developer, Build analysis report page using HTML	1	High	Uthra, Sidharth
Sprint-1		USN-16	As a developer, Build logout page using HTML	2	Medium	Uthra
Sprint-3		USN-17	As a developer, Getting access to location from user.	1	High	Nithyasree
Sprint-1	Dashboard	USN-18	As a developer, Build dashboard page using HTML	1	High	Uthra, Sidharth
Sprint-1		USN-19	As a developer, collect dataset to train and test model.	1	High	Uthra, Sidharth, Nithyasree, Valliammai
Sprint-1	Image preprocessing	USN-20	As a developer, import imagedatagenerator library to perform image augmentation	2	Medium	Sidharth, Nithyasree
Sprint-1		USN-21	As a developer, configure imagedatagenerator library to augment images	2	Medium	Sidharth
Sprint-1		USN-22	As a developer, applying imagedatagenerator library to trainset and testset images	1	High	Sidharth
Sprint-2	Model building	USN-23	As a developer, Train-test and save model.	1	High	Uthra, Sidharth
Sprint-2	Application building	USN-24	As a developer, Build python code.	1	High	Nithyasree, Uthra
Sprint-3		USN-25	As a developer, Run the application.	1	High	Nithyasree, Sidharth
Sprint-4	Cloud integration	USN-26	As a developer, Integrate the application with IBM cloud.	1	High	Nithyasree, Valliammai

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-27	As a developer, Train the model on IBM Cloud.	1	High	Uthra, Sidharth, Nithyasree,
Sprint-4		USN-28	As a developer, Upload datasets to Cloudant DB	3	Low	Sidharth, Valliammai
Sprint-4		USN-29	As a developer, Fetch data from Cloudant DB to perform manipulations on code	2	Medium	Nithyasree, Valliammai
Sprint-4		USN-30	As a developer, Get feedback from the user	1	High	Valliammai
Sprint-4		USN-31	As a developer, update features on website	3	Low	Uthra, Nithyasree
Sprint-4		USN-32	As a developer, work on bugs	2	Medium	Sidharth, Valliammai
Sprint-4		USN-33	As a developer, track the progress of team using JIRA Software	1	High	Sidharth
Sprint-4	Analysis	USN-34	As a developer, perform user acceptance test	1	High	Sidharth, Valliammai
Sprint-4		USN-35	As a developer, performance testing is done to check the efficiency of the code	1	High	Uthra, Valliammai
Sprint-4		USN-36	As a developer, collect & analyse testcase report	1	High	Uthra, Nithyasree
Sprint-4		USN-37	As a developer, Submitting the overall project report	1	High	Uthra, Sidharth

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:

Average Velocity = $\frac{\text{sprint duration}}{\text{velocity}} = \frac{22}{15} = 1.466$

Burndown Chart:

