

Project Planning Phase

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

Date	27 OCTOBER 2022
Team ID	PNT2022TMID04308
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 -1	Data Collection	USN -1	Collecting the dataset	2	low	Dhana Sree R
Sprint -1	Data Preprocessing	USN-2	Preprocessing the data by data augmentation	2	high	Harish K P
Sprint-2	Model Building	USN-3	Building the model by CNN	3	high	Dharanidharan R
Sprint-2	Fitting the dataset	USN-4	Training the model by fitting the train dataset	3	low	Dhivakar p
Sprint-2	Testing the model	USN-5	Predicting the score of model by tesing the model using test data	3	medium	Dhana Sree R Harish K P
Sprint-3	Registration	USN-6	As a user, I can register for the application by entering my email, password, and confirming that.	3	low	Dharanidharan R
Sprint-3	Login	USN-7	As a user, I adapt to logging into the system with credentials.	4	low	Dhivakar p
Sprint-3	Analysis	USN-8	As a user, I can analyse report on past event analysis.	3	medium	Dhivakar p Harish K P

Sprint-3	Local Deployment	USN-9	I can deploy the model on local for performance testing	4	high	Dhana Sree R
Sprint-4	Model deployment	USN-10	As an administrator, I can maintain third-party services.	4	high	Harish K P

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	4	6 Days	24 Oct 2022	31 Oct 2022	4	31 Oct 2022
Sprint-2	9	6 Days	31 Oct 2022	05 Nov 2022	9	05 Nov 2022
Sprint-3	14	6 Days	07 Nov 2022	12 Nov 2022	14	12 Nov 2022
Sprint-4	4	6 Days	14 Nov 2022	19 Nov 2022	4	19 Nov 2022

Average velocity=Sprint duration / velocity

Sprint - 1 : $4/6 = 1$

Sprint - 2 : $9/6 = 1$

Sprint - 3 : $14/6 = 2$

Sprint - 4 : $4/6 = 1$

