

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

Date	28 October 2022
Team ID	PNT2022TMID43250
Project Name	Natural Disaster 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	As a user, I can collect the dataset from different images of cyclone.	12	Medium	S.Manoj S.Manikandan V.Aravindh M.Jothiraj
Sprint-1	Data Pre-processing	USN-2	As a user, I can load the dataset, scaling and split data into train and test.	8	High	S.Manoj
Sprint-2	Model Building	USN-3	As a user, I will get an application with ML model which provides high accuracy of images of cyclone.	5	High	V.Aravindh M.Jothiraj
Sprint-2	Add CNN layers	USN-4	Creating the model and adding the input, hidden, and output layers to it.	4	Medium	S.Manikandan V.Aravindh M.Jothiraj

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Compiling the model	USN-5	With both the training data defined and model defined, it's time to configure the learning process.	4	Medium	S.Manoj S.Manikandan
Sprint-2	Train & test the model	USN-6	As a user, let us train our model with our image dataset.	3	High	S.Manoj S.Manikandan V.Aravindh
Sprint-2	Save the model	USN-7	As a user, the model is saved & integrated with an android application or web application in order to predict something.	4	Low	M.Jothiraj S.Manikandan
Sprint-3	Building UI Application	USN-8	As a user, I will upload the cyclone image to the application by clicking an upload button.	10	Medium	S.Manikandan V.Aravindh
Sprint-3		USN-9	As a user, I can know the details of the fundamental usage of the application.	10	Medium	S.Manoj M.Jothiraj
Sprint-4	Train the model on IBM	USN-10	As a user, I train the model and integrate them on IBM.	9	High	S.Manoj S.Manikandan V.Aravindh
Sprint-4	Cloud Deployment	USN-11	As a user, I can access the web application and make the use of the product from anywhere.	11	High	S.Manoj S.Manikandan V.Aravindh M.Jothiraj