

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID09247
Project Name	Project – Real time communication system powered by AI for specially abled.
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	Ideation	USN-1	As a user I will initialize all the requirements which has ideation, empathy map, literature survey and problem statement.	1	Low	C Gautham Lakshman KR Badrinath K Sathvik CB
	Project Design phase-1		As a user I will include problem solution fit, solution architecture, proposed solution.			C Gautham Lakshman KR Badrinath K Sathvik CB
	Project Design phase-2		As a user I will include customer journey map, technical architecture, dataflow diagram and functional requirements.			C Gautham Lakshman KR Badrinath K Sathvik CB
Sprint-2	Data Collection	USN-2	As a user, I will collect all the data that has to be trained and tested.	2	Medium	C Gautham Lakshman KR Badrinath K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Sathvik CB
	Image Pre-processing		As a user, I will Apply Image Data Generator Functionality to Train and Test Set. As a user, I will import image data generator library and configure it.			C Gautham Lakshman KR Badrinath K Sathvik CB
	Model Building		As a user, I will include all the necessary layers, fit the model and save it.			C Gautham Lakshman KR Badrinath K Sathvik CB
	Test the model		As a user, I will import the package and test the saved model. As a user, I will test, pre-process and predict the output.			C Gautham Lakshman KR Badrinath K Sathvik CB
Sprint-3	Application Building	USN-3	As a user, I will build the flask application and HTML page to view my output.	3	High	C Gautham Lakshman KR Badrinath K Sathvik CB
	Training CNN model		As a user, I will train image classification model in the registered cloud repository.			C Gautham Lakshman KR Badrinath K Sathvik CB
Sprint-4	Planning	USN-4	As a user, I will include all the outline of the project.	4	High	C Gautham Lakshman KR Badrinath K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Sathvik CB
	Developing		As a user, I will include the various phases of code development and implementation.			C Gautham Lakshman KR Badrinath K Sathvik CB
	Final outcome		As a user, I will check for the required output.			C Gautham Lakshman KR Badrinath K Sathvik CB

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

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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

BURNDOWN CHART

