

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52960
Project Name	Real-Time Communication System Powered by AI for the Specially Abled
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Datasets and preprocessing	USN-1	Creating and segregating the datasets into testing and training	2	Low	Riyanka Rajakumar
Sprint-1		USN-2	Importing the Imagedatagenerator library and configuring it for image preprocessing	3	Medium	Rohit D
Sprint-1		USN-3	Applying the ImageDataGenerator functionality to train and test the data.	3	Medium	Rohit D
Sprint-2	Model Building (training and testing)	USN-4	Initializing the model	2	Low	Samyuktha R
Sprint-2		USN-5	Adding the convolution layer	3	Medium	Rohith Ram A
Sprint-2		USN-6	Adding the pooling layer	3	Medium	Rohit D
Sprint-2		USN-7	Adding the flatten layer	3	Medium	Rohith Ram A
Sprint-2		USN-8	Adding the dense layer	3	Medium	Riyanka Rajakumar
Sprint-2		USN-9	Compiling the model	2	Low	Samyuktha R
Sprint-2		USN-10	Fit and saving the model	2	Low	Riyanka Rajakumar
Sprint-2		USN-11	Testing the model	3	Medium	Rohith Ram A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Flask application	USN-12	Building the HTML page	5	Very High	Samyuktha R
Sprint-3		USN-13	Running the flask application	5	Very High	Rohith Ram A
Sprint-4	Deploying the model on IBM Cloud	USN-14	Register for IBM Cloud	2	Low	Riyanka Rajakumar
Sprint-4		USN-15	Training the image classification model	4	High	Samyuktha R
Sprint -4		USN-16	Deployment of application on IBM Cloud	5	Very High	Rohit D

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	8	4 Days	22 Oct 2022	26 Oct 2022	20	26 Oct 2022
Sprint-2	21	6 Days	27 Oct 2022	02 Nov 2022	21	02 Nov 2022
Sprint-3	10	6 Days	04 Nov 2022	10 Nov 2022	10	10 Nov 2022
Sprint-4	11	5 Days	12 Nov 2022	17 Nov 2022	11	17 Nov 2022

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)

$$\text{Average velocity} - 50/21 = 2.380$$

Jira Reports:

	JUL	AUG	SEP	OCT	NOV
Sprints					
▼ RCFSAP-2 project phase 1 DONE RCFSAP-6 Empathy Map DONE RIYANKA... RCFSAP-7 Brainstorming DONE SAMYUKT... RCFSAP-8 Problem stateme... DONE ROHITH R... RCFSAP-9 Literature Review DONE ROHIT D					
▼ RCFSAP-3 project phase 2 DONE RCFSAP-13 Customer journey DONE RIYANKA... RCFSAP-14 Data flow diagra... DONE SAMYUKT... RCFSAP-15 Solution require... DONE ROHITH R... RCFSAP-16 Technology stack DONE ROHIT D					
▼ RCFSAP-4 flask application DONE RCFSAP-19 Website Creation DONE ROHITH R... RCFSAP-20 Flask Back-End... DONE ROHITH R... RCFSAP-21 Local Deployment DONE ROHIT D RCFSAP-22 Cloud Deployment DONE ROHIT D					
▼ RCFSAP-5 machine learning model DONE RCFSAP-10 model training DONE ROHIT D RCFSAP-11 model testing DONE ROHITH R...					
▼ RCFSAP-1 report completion RCFSAP-17 First part DONE RIYANKA... RCFSAP-18 Second part DONE SAMYUKT...					