

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

Date	18 October 2022
Team ID	PNT2022TMID31748
Project Name	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	Modelling Phase	USN-1	Data Collecting	3	Medium	Balasurya S S
Sprint-1		USN-2	Adding more data to avoid overfitting.	2	Medium	Keerthana M
Sprint-1		USN-3	Building a CNN model using the collected data	5	High	Gowthamraj V P
Sprint-1		USN-4	Evaluating the model to check the accuracy and precision.	3	High	Gowthamraj V P
Sprint-2	Development Phase	USN-5	Home page Creation – Shows the features of our application.	1	Low	Sibiraj S
Sprint-2		USN-6	Setting up facilities for user to feed the data through the camera.	2	Medium	Balasurya S S
Sprint-2		USN-7	Prediction page creation – shows prediction for the user given data.	4	Medium	Sibiraj S
Sprint-2		USN-8	Model loading – API creation using flask.	5	High	Gowthamraj V P
Sprint-3	Deployment Phase	USN-9	Integrating UI & backend – Connecting the front end and backend using API calls.	3	Medium	Keerthana M Gowthamraj V P Balasurya S S Sibiraj S
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud.	5	High	Sibiraj S
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application.	5	High	Keerthana M Balasurya S S Sibiraj S
Sprint-4		USN-12	Non-Functional testing – Checking for user acceptance and integration.	5	High	Gowthamraj V P Balasurya S S Sibiraj S

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	13	6 Days	24 Oct 2022	29 Oct 2022	13	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

Average Velocity = 61/24 = 2.541

