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

Date	18 October 2022
Team ID	PNT2022TMID48097
Project Name	Project – Real Time Communication system Powered by AI For Specially Abled Person
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Local system	USN-1	I have to collect the data for building our project.	2	High	J SAFRIN NIHAR K KARPAGAVALLI L BHUVANESWARI P PODHUMANI
Sprint-1	Local system	USN-2	Create train and test data folder	1	High	J SAFRIN NIHAR K KARPAGAVALLI L BHUVANESWARI P PODHUMANI
Sprint-1	Python IDE – keras package	USN-3	We have to do image preprocessing, shearing, rescale, zooming, etc. to make the model robust with different types of images. We will be loading all the images of the train and test using the flow from directory method.	2	Low	J SAFRIN NIHAR K KARPAGAVALLI L BHUVANESWARI P PODHUMANI
Sprint-2	Neural Networks	USN-5	Model building	1	High	J SAFRIN NIHAR K KARPAGAVALLI L BHUVANESWARI P PODHUMANI

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	openCV	USN-5	Load The Test Image, Pre-Process It And Predict	1	High	J SAFRIN NIHAR K KARPAGAVALLI L BHUVANESWARI P PODHUMANI
Sprint-3	Python Flask	USN-6	Integrate the code with python flask. Build the HTML page. Open the navigator and run the local host.	2	high	J SAFRIN NIHAR K KARPAGAVALLI L BHUVANESWARI P PODHUMANI
Sprint-4	IBM cloud	USN-7	Train the model on IBM Store Model Download model to local system Deployment of the project.	4	high	J SAFRIN NIHAR K KARPAGAVALLI L BHUVANESWARI P PODHUMANI

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	20	6 Days	29 Oct 2022	02 Oct 2022	20	02 Oct 2022
Sprint-2	20	6 Days	03 Oct 2022	07 Nov 2022	20	07 Nov 2022
Sprint-3	20	6 Days	08 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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)

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

Burndown Chart:

Balance Work