Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID26243
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	Data Collection	USN-1	Collect the dataset required for alphabets and numbers	4	High	PRIYAADARSHAN B YUVARAJ S SURYAPRAKASH K S LOKESHWARAN V THARUNKUMAR R
Sprint-1	Pre-processing	USN-2	Do Image preprocessing	2	Medium	PRIYAADARSHAN B YUVARAJ S SURYAPRAKASH K S LOKESHWARAN V THARUNKUMAR R
Sprint-2	Model Building	USN-3	Import libraries ,Initialize the model Add the convolution layer ,Add the pooling layer ,Add the flatten layer Adding the dense layers ,Compile the model ,Fit and save the model.	5	High	PRIYAADARSHAN B YUVARAJ S SURYAPRAKASH K S LOKESHWARAN V THARUNKUMAR R
Sprint-3	Test the Model	USN-4	Pass an image to get predictions, Import the packages and load the saved model , Load the test image, pre-process it and predict.	5	High	PRIYAADARSHAN B YUVARAJ S SURYAPRAKASH K S LOKESHWARAN V THARUNKUMAR R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Train CNN Model on IBM & Application Development	USN-5	Register for IBM Cloud. Train your model on IBM Cloud. Store your Model on IBM Cloud.	6	High	PRIYAADARSHAN B YUVARAJ S SURYAPRAKASH K S LOKESHWARAN V THARUNKUMAR R

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	6	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	6	6 Days	14 Nov 2022	19 Nov 2022		

Velocity :

Average Velocity = Velocity / Sprint Duration

- Average Velocity → AV
- Velocity → Points per sprint
- Sprint Duration → Number of days per sprint

1. Sprint – 1: AV = $6/6 = 1$
2. Sprint – 2: AV = $5/6 = 0.834$
3. Sprint – 3: AV = $5/6 = 0.834$
4. Sprint – 4: AV = $6/6 = 1$

Burndown Chart