Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID17255
Project Name	Real time communication system powered by AI for specially abled
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	Data Collection	USN-1	Collecting the Dataset	10	High	S.Manobala U.N.Jegan S.Jawahar
Sprint-1		USN-2	Image Pre-processing	7	Medium	S.Manobala U.N.Jegan S.Jawahar M.Manoj
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model.	10	High	U.N.Jegan S.Jawahar M.Manoj
Sprint-2		USN-4	Training the image classification model using CNN and others systems.	7	Medium	S.Manobala U.N.Jegan
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	10	High	S.Manobala U.N.Jegan S.Jawahar M.Manoj

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	10	High	S.Manobala U.N.Jegan S.Jawahar M.Manoj
Sprint-4		USN-7	Build the system and deploy the model in IBM cloud	7	Medium	S.Manobala U.N.Jegan S.Jawahar M.Manoj

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	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	7	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	7	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)

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

AV = 6/10 = 0.6

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.