Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID27182
Project Name	Project: Real-Time communication system powered by AI for specially - abled
Maximum Marks	4 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	Pre requistes	USN-1	As a user, I can install the pre requistes libraries	3	High	Srinivasan
Sprint-1	Project Structure	USN-2	As a user, I will design a project structure comfortable for project deployment.	2	Medium	Richard
Sprint-1	Data collection	USN-3	As a user, I will download the dataset and extract it.	1	Low	Rahul Fernandez
Sprint-1	Image Preprocessing	USN-4	As a user, I will run the image processing model.	2	High	Srinivasan
Sprint-2	Model Building	USN-5	As a user, I will processing The images by building model.	3	High	IndiraKumar
Sprint-2	Test The Model	USN-6	As a user, I must evaluate the model with external data and detect accuracy.	2	High	IndiraKumar
Sprint-3	Build The HTML Page	USN-7	As a user, I must need a web UI for performing tasks.	1	Low	Richard

Sprint-3	Build a Flask Applicaion	USN-8	As a user, I can access the site using mobile/ desktop in specific port with tasks.	3	High	Rahul Fernandez
Sprint-4	IBM Cloud Registration	USN-9	As a user, I need a cloud place for deploy the Application.	2	Medium	Srinivasan
Sprint-4	Train Image Classification Model	USN-10	As a user, I must train a model to convert sign to audio and audio to sign.	3	High	IndiraKumar

Project Tracker, Velocity & Burn down 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	6 Days	24 October, 2022	26 October, 2022	3	29 October, 2022
Sprint-2	5	6 Days	31 October, 2022	03 November, 2022	4	05 November, 2022
Sprint-3	4	6 Days	07 November, 2022	12 November, 2022	6	12 November, 2022
Sprint-4	5	6 Days	14 November, 2022	16 November, 2022	2	19 November, 2022

Average Velocity = $\frac{\text{Sprint duration}}{\text{Velocity}}$

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

1.Sprint – 1: AV = 8/6 = 1.34

2.Sprint – 2: AV = 5/6 = 0.834

3.Sprint – 3: AV = 4/6 = 0.67

4.Sprint – 4: AV = 5/6 = 0.834

Burndown Chart:

A burndown 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.