Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID52497
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Priya Lakshmi I
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	2	High	Rajesh R
Sprint-1	Dashboard	USN-3	As a user, display all information of site.	3	High	Varsha MV
Sprint-2		USN-4	As a user, I will receive confirmation email once I have registered for the application	3	High	Rajesh R
Sprint-2		USN-5	As a user, give their details for future use.	3	Medium	Varsha MV
Sprint-3	Recognition	USN-6	As a user, record a video or image and upload it.	2	High	Surya Prakash K
Sprint-3		USN-7	As a user, view the results of analysis and communicate to others.	5	High	Varsha MV
Sprint-4	Customer Care		create bot chat and collect the queries.	5	Low	Surya Prakash K
Sprint-4			get feedback from customers.	2	Medium	Priya Lakshmi I

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection		1.Collecting data for building our project . 2.Creating two folders one for training and the other for testing.	2	High	Rajesh R
Sprint-1	Preprocessing		Preprocessing the Dataset	3	High	Varsha MV
Sprint-2	Model building		1.Initializing the model 2.Adding convolution layers 3.adding pooling layers 4.Full connection layers which includes hidden layers 5.Flatten layer 6.Compile the model with layers we added to complete the neural network structure	3	High	Surya Prakash K
Sprint-2	Test the model		Test the model by passing an image to get predictions. Make sure that the dimensions,rescaling, target size are correct while testing the model	3	High	Priya Lakshmi I
Sprint-3	Build web Application		Create a web application for recognition using Flask.	5	High	Surya Prakash K , Varsha MV, Priya Lakshmi I , Rajesh R
Sprint-4	Deployment on IBMcloud		Integrating the Model which trains and Web application are deployed on cloud.	5	High	Surya Prakash K , Varsha MV, Priya Lakshmi I , Rajesh 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	20	6 Days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	12	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)

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

Average Velocity = 12 / 6 = 2