Project Planning Phase

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

Date	08 November 2022
Team ID	PNT2022TMID22447
Project Name	Project – 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	Collect required Dataset	8	Low	Luckshitha VS
Sprint-1	Image Pre-processing	USN-2	Pre-process the data by importing and configuring libraries, applying functionalities to train and test data	12	High	Luckshitha VS
Sprint-2	Model Building	USN-3	Import the required model building libraries, initialize the model by adding layers	7	Low	Kavitha M
Sprint-2	Layer inclusion	USN-4	Adding convolution, pooling, flatten and dense layers, compile, fit and save model.	10	Medium	Kavitha M
Sprint-3	Test the model	USN-5	Import packages and load the saved model for testing saved model, pre-process, predict	10	High	Devadharshini M
Sprint-3	Application Building	USN-6	Build flask app and HTML page by loading required packages and initialize it to meet model requirements for predictions	12	High	Devadharshini M
Sprint-4	Train CNN model On IBM	USN-7	Register and create the required resources for CNN deployment	9	Medium	Dilshad Banu S
Sprint-4	Implementation and checking results	USN-8	train, store, integrate with flask and download model to test locally for getting final outputs	11	High	Dilshad Banu S

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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	17	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	18	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	17	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)

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