Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID16247
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release	Team Members
Customer (Mobile user)	Home	USN-1	As a user, I can able to know about the application and read the instruction to usage of mobile app.	I can view the instruction about application.	High	Sprint-1	TM-1
		USN-2	As a user, I am allowed to view Demo video for using the application.	I can gain Knowledge from Demo Video.	High	Sprint-4	TM-2,TM-1
		USN-3	As a user, I can access the MNIST dataset from my Drive Files.	I can access the MNIST dataset to get the output.	Low	Sprint-2	TM-3
	Upload	USN-4	As a user, I have access to upload the dataset from my Drive Files or from other Files.	I can upload the image from System Storage.	Medium	Sprint-1	TL
	Result	USN-5	As a user, I can able to view the result of uploaded image as my predicted output.	I can able to view the result of uploaded image.	High	Sprint-1	TM-1,TM-2

Customer (Web View)	Home	USN-6	As a user, I can read the information about the Web application.	I can read and gain knowledge about the web application.	High	Sprint-1	TM-3,TL
	Pre-Processing	USN-7	As a user, I will train and test the input.	I can able to train and test the input data	High	Sprint-4	TM-1,TM-2
	Recognize	USN-8	As a user, I can recognize how the input is evaluated.	I can able to know the Evolution of input.	Low	Sprint-2	TM=3
	Predict	USN_9	As a user, I am able to predict the image.	I can able to predict the image.	Medium	Sprint-3	TL
	Accuracy	USN_10	As a user, I can see the accuracy of my input image as output result.	I can able to view the resulted output.	High	Sprint-1	TM-2,TM-3

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	01 Nov 2022	05 Nov 2022	15	
Sprint-3	20	6 Days	09 Nov 2022	13 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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