Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID39604
Project Name	Project – A GESTURE BASED TOOL FOR STERILE BROWSING RADIOLOGY IMAGES
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 (Dataset)	USN-1	As a user, I will download dataset of gestures for this project.	2	High	Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S
Sprint-1	Image Preprocessing	USN-2	As a user, I will import necessary libraries for image data generator and configure the image data generator class.	2	High	Shabnam Banu H Supriya P Vaishali S
Sprint-1	Image Preprocessing	USN-3	As a user, I will train and test the dataset to apply image data generator functionality.	2	High	Shabnam Banu H Supriya P Vaishali S
Sprint-2	Model building	USN-4	As a user, I can import necessary libraries and initialize the model.	2	Low	Shabnam Banu H Supriya P Vaishali S
Sprint-2	Model Building	USN-5	As a user, I will add CNN layers , Dense layers And configure the learning process.	2	Low	Shabnam Banu H

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Supriya P Vaishali S
Sprint-2	Model Building	USN-6	As a user, I will train, save and test the model.	2	Medium	Shabnam Banu H Supriya P Vaishali S
Sprint-3	Application Building	USN-7	As a user, I create html front page (CSS for styling webpage and JS to connect back end).	1	High	Sasi Reka A Narmatha P Rajeshwari R
Sprint-3	Application Building	USN-8	As a user, I use python flask for building back end(for server side scripting).	2	High	Shabnam Banu H Supriya P Vaishali S
Sprint-3	Application Building	USN-10	As a user, going to run the application by combining both front end and back end.	2	High	Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S
Sprint-4	Train the model on IBM	USN-11	As a user, register for IBM cloud.	1	Medium	Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S
Sprint-4	Train the model on IBM	USN-12	As a user, train the model on IBM and integrate it with the flask application.	2	High	Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S

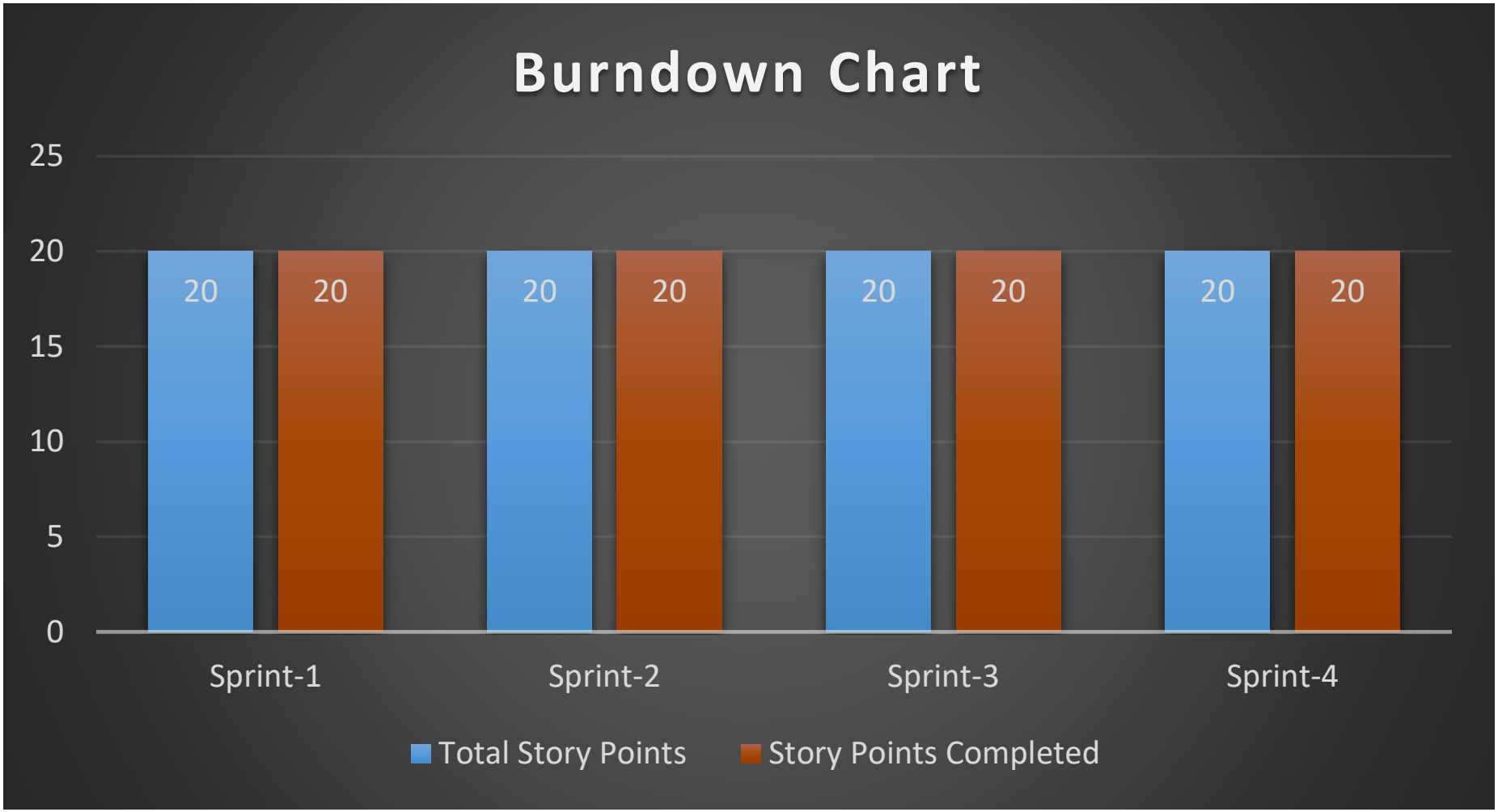
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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


Burndown Chart
25
20
15
10
5
0
20
20
20
20
20
20
20
20
Sprint-1
Sprint-2
Sprint-3
Sprint-4
Total Story Points
Story Points Completed