Project Planning Phase

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

Date	03 November 2023
Team ID	Team-593208
Project Name	Detecting COVID-19 From Chest X-Rays Using Deep Learning Techniques
Maximum Marks	5 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	AI/ML – Preprocessing	USN-1	Preprocess the X-ray images for uniformity and quality.	1	Low	Srivibhava A S
Sprint-1	Building AI/ML model	USN-2	Train a deep learning model to detect COVID-19 in X-ray images.	2	Medium	Karthik R
Sprint-2	Login	USN-3	Creating user registration and login for users to interact.	3	High	LakshiV S
Sprint-2	Authentication	USN-4	Implement user authentication for user security.	2	Medium	Srivibhava A S
Sprint-3	Dashboard	USN-5	Develop a user dashboard for viewing analysis results.	3	High	Pavithra S
Sprint-3	Image upload	USN-6	Creating a provision for image upload	2	High	Srivibhava A S
Sprint-4	Database	USN-7	Set up a database to store user data and diagnostic results.	3	High	Karthik R
Sprint-4	Integrate	USN-8	Integrate the AI/ML model with the web application.	2	Medium	LakshiV S
Sprint-5	Deployment and Test	USN-9	Deploy the application on a cloud platform and perform testing.	2	Medium	Pavithra 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	3	2 Days	27/10/2023	28/10/2023	20	
Sprint-2	5	3 Days	29/10/2023	31/10/2023		
Sprint-3	5	4 Days	31/10/2023	03/11/2023		
Sprint-4	5	2 Days	03/11/2023	05/11/2023		
Sprint-5	2	2 Days	05/11/2023	07/11/2023		

Velocity:

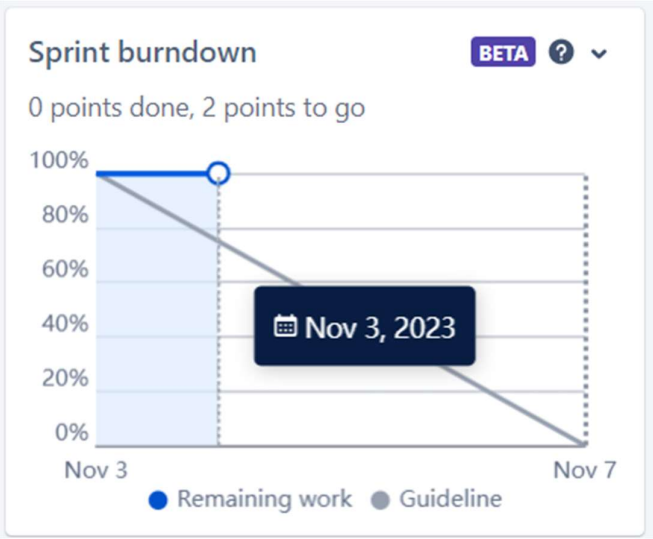
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

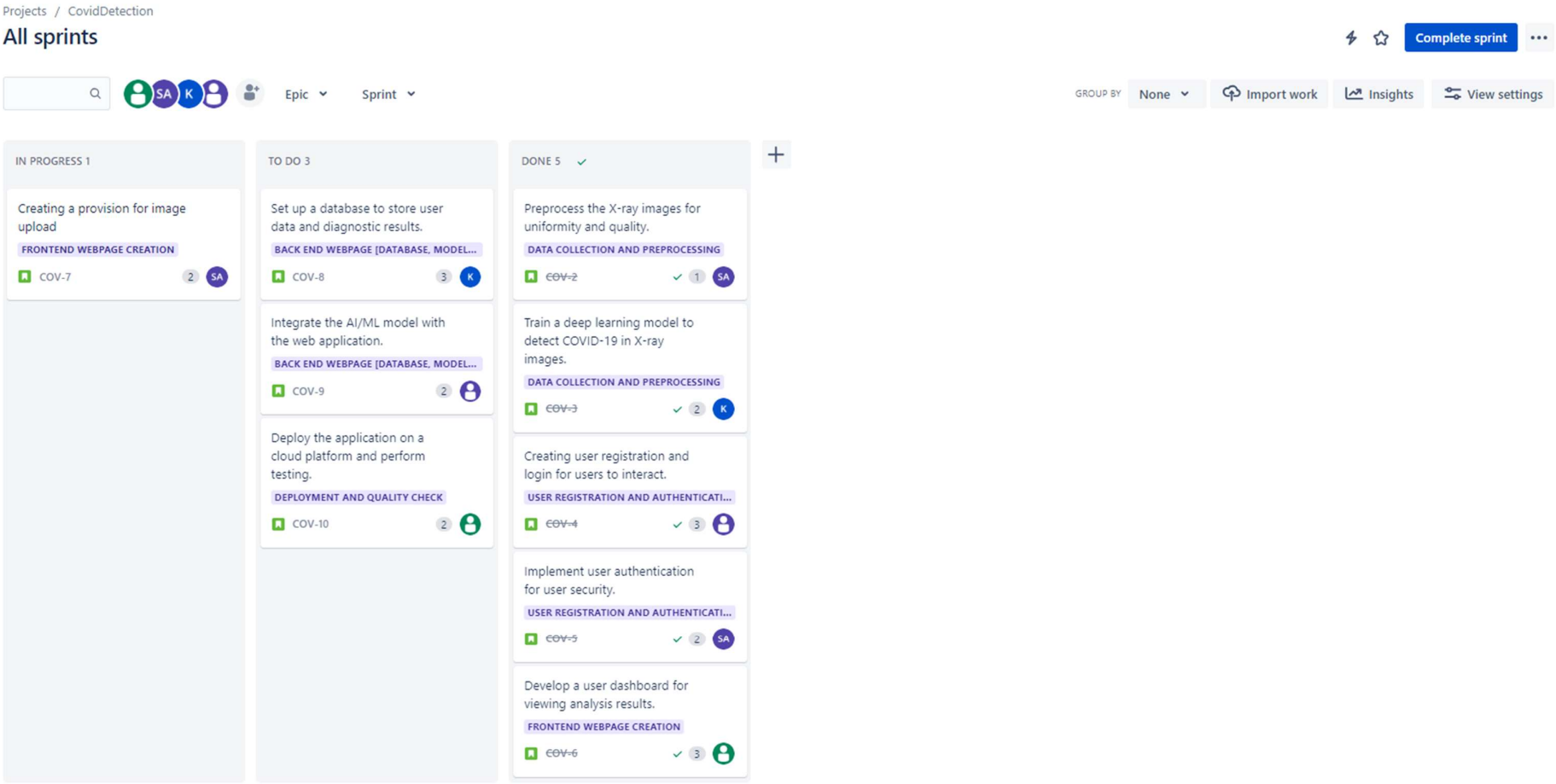
AV= 13/20= 0.65

Burndown Chart:

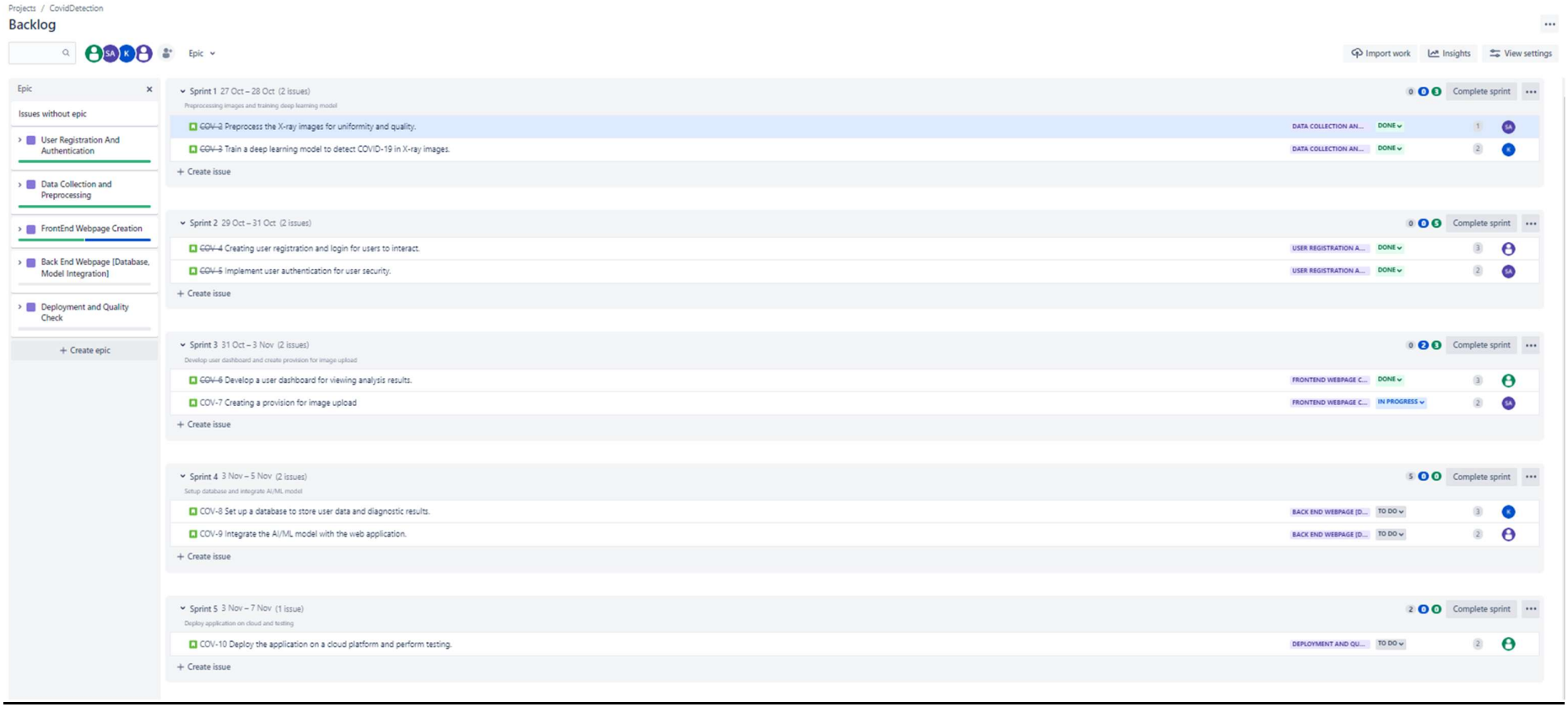
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



Board Section:



Backlog Section:



Timeline Section: