Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID08664
Project Name	Project – Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

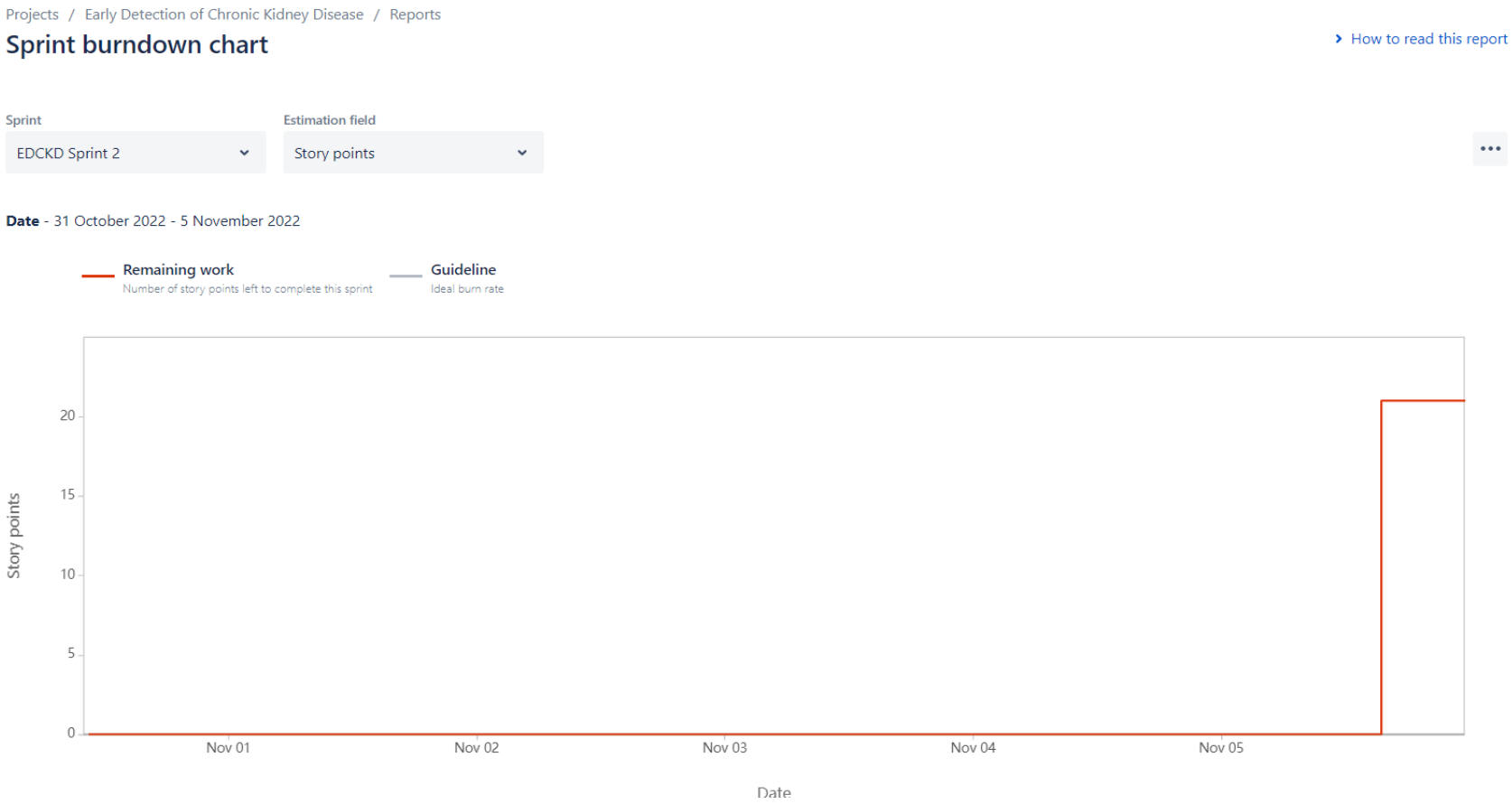
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Collection of Dataset	USN-1	I need to collect dataset from IBM resource	3	High	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham
Sprint-1	Data Pre-Processing	USN-2	I need to take raw data and transform it into a format that can be understood and analysed by machine learning algorithms	6	High	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Exploratory Data Analysis (EDA)	USN-3	I need to do Exploratory Data Analysis to obtain the main characteristics	8	Medium	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham
Sprint-2	Model Building	USN-4	I need to explore the type of algorithms which can be used to train and test the model for providing the best accurate results	13	High	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham
Sprint-3	UI Designing	USN-5	As a developer, I need to design a simple and understandable UI	3	Medium	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham
Sprint-3	UI Integration	USN-6	As a developer, I need to integrate the user interface and the model developed using machine learning algorithms	5	Medium	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham
Sprint-4	Dashboard	USN-7	As a user, I will be able to enter my test results as input which will be used for prediction	5	High	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham
Sprint-4	Result	USN-8	As a user, I will receive whether chronic kidney disease is there or not	5	High	Santhosh Kumar Nishanth Bhoopathy Nimalan Gowtham

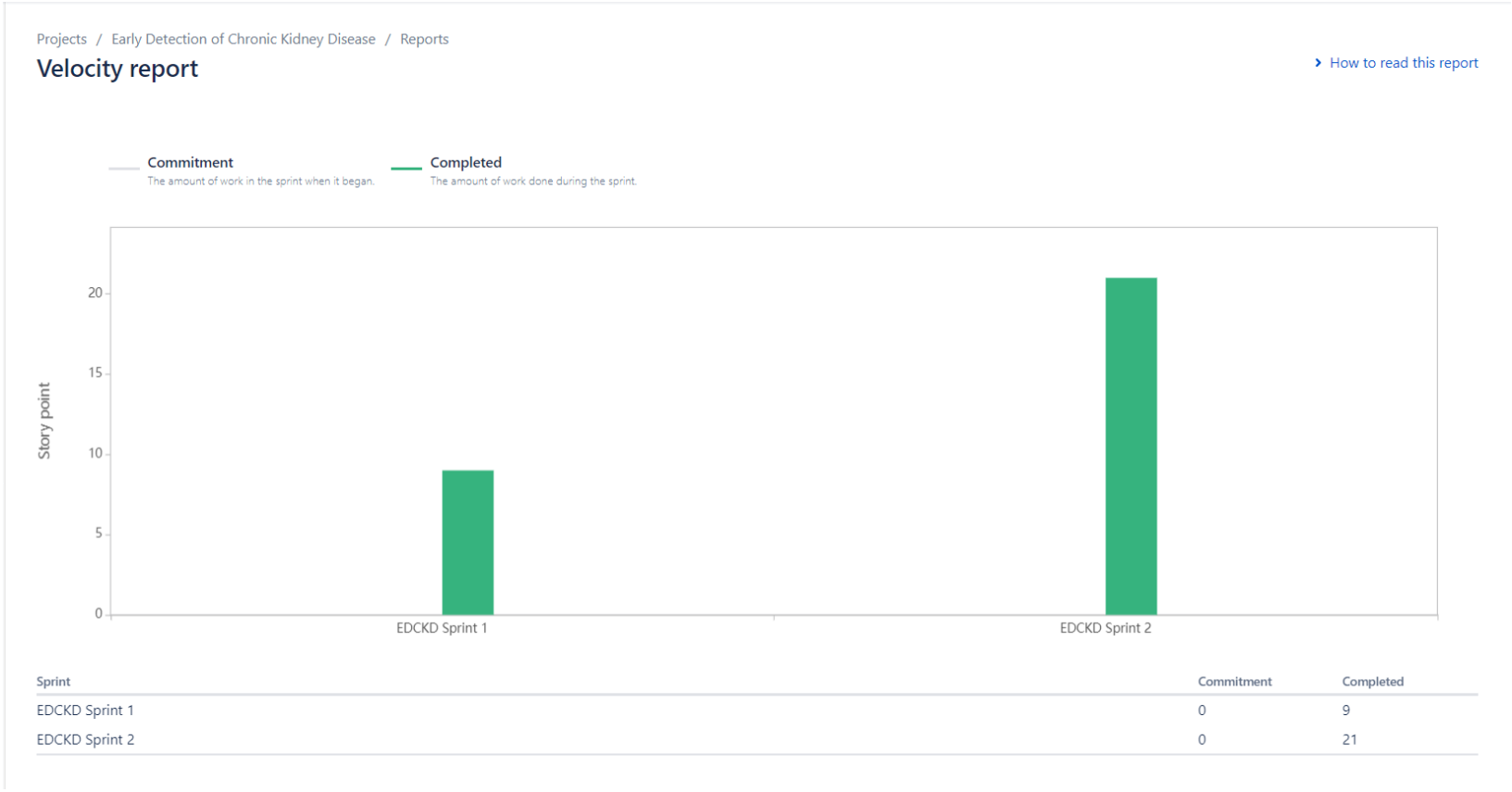
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	9	6 Days	24 Oct 2022	29 Oct 2022	9	31 Oct 2022
Sprint-2	21	6 Days	31 Oct 2022	05 Nov 2022	21	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022		

Burndown Chart:



Velocity Chart:



Sprint	Commitment	Completed
EDCKD Sprint 1	0	9
EDCKD Sprint 2	0	21