

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

Date	26 October 2022
Team ID	PNT2022TMID19815
Project Name	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 Data	USN-1	Collect the dataset and clean the dataset	5	High	Gayathri Devi CJ
Sprint-1		USN-2	Create, test and save the model	5	High	Kanishka
Sprint-2	Home page	USN-3	The user can enter into the homepage.	6	High	Hanisha
Sprint-2		USN-4	The user can click the prediction button to enter into the prediction page	4	Medium	Kavya
Sprint-3	Prediction Page	USN-5	The user will be presented with the prediction page where he can enter the values of report	3	Medium	Mathumetha
Sprint-3		USN-6	User should enter the bloodglucose parameters	7	High	Gayathri Devi
Sprint-4	Result	USN-7	The user will get the output	4	Medium	Kanishka

Sprint-4		USN-8	Deploy into IBM CLO JD	6	High	Hanisha
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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 days 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)

$$AV = \text{sprint duration} / \text{velocity} = 20 / 6 = 3.33$$

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 method login such as scrum However , burn down charts can be applied to any project containing measurable progress over time.

