

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27324
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	HomePage	USN-1	As a user, I can create a website for the home page.	5	High	Aakash D Hari Babu E
Sprint-1	Patient details	USN-2	As a user, I can give the details about the symptoms of the disease.	15	High	Abilaash S Adith V Gopal
Sprint-2	Diagnosis	USN-3	As a user, I can get the details about the symptoms of the disease.	10	Low	Aakash D Adith V Gopal
Sprint-2		USN-4	As a user, using the stored details for analysis	10	Medium	Abilaash S Hari Babu E
Sprint-3	Analysis	USN-5	As a user, I can enter Blood urea readings	5	High	Aakash D Abilaash S
Sprint-3		USN-6	As a user, I can choose the test details of the patient.	5	Medium	Adith V Gopal Hari Babu E
Sprint-3		USN-7	As a user, I can analyse the entered data	5	High	Abilaash S Aakash D
Sprint-4	Results	USN-8	As a user, I can predict the result for the entered details.	10	High	Adith V Gopal Hari Babu E
Sprint-4		USN-9	As a user, I can view the results of the patient	5	High	Abilaash S Aakash D

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:

AV - Average velocity

velocity - points per sprint

sprint duration - duration of each sprint

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

Burndown Chart:

A burndown 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.

