

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID02292
Project Name	Early Detection of Chronic Kidney Disease Using Machine Learning
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Collection of Datasets	USN-1	Collect dataset from google and clean the datasets	5	High	Sujitha P
Sprint-1	Model	USN-2	Create, test and save the model	5	High	Urjha M B Sweta S
Sprint-2	Home Page	USN-3	The user can enter into the home page	6	Medium	Sujitha R
Sprint-2	Quiz	USN-4	User can take up the quiz to know the prediction result.	4	High	Sujitha P
Sprint-3	Result	USN-5	The user will get the output	3	High	Sweta S Sujitha R
Sprint-3	Remedies	USN-6	The user will get the remedies according to their symptoms.	7	Medium	Urjha M B
Sprint-4	Doctor's Appointments	USN-7	The users also get Doctor's appointment if needed	4	Medium	Sujitha P Sujitha R
Sprint-4	Deployment	USN-8	Deploy into IBM Cloud	6	High	Sweta S Urjha M B

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

$$\text{AV} = \text{Sprint duration} / \text{Velocity} = 20/6 = 3.33$$

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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

