

Project Planning Phase

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

Date	6 Nov 2022
Team ID	PNT2022TMID48683
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	Registration	USN-1	User can sign in to our web application by using google account	12.5	High	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh
Sprint-1		USN-2	Users are considered to fill the google form for further authentication	12.5	Medium	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh
Sprint-1		USN-3	User log in data is stored and surveillance by google firebase authentication service	12.5	High	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh
Sprint-1	Login	USN-4	User now successfully registered using google authentication service	12.5	High	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-5	Now user is preferred to enter the medical details to analyse their disease severity or whether they have that disease	12	High	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh
Sprint-3	Dashboard	USN-6	There are three values which should be given in float or numerically	11.8	High	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh
Sprint-3	Dashboard	USN-7	There are some other values which are fulfilled by alpha values whether they have or not (yes or no questions)	12	High	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh
Sprint-4	Dashboard	USN-8	After fulfilment of user medical values the prediction of disease is analysed by machine learning model that present in the IBM Watson machine learning platform	12.5	High	Mohamed Ibrahim, Mohamed Asif, Prabhu, Kamalesh

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	12.5	4 Days	20 Oct 2022	24 Oct 2022	12.5	24 Oct 2022
Sprint-2	12.5	4 Days	24 Oct 2022	28 Oct 2022	12	29 Oct 2022
Sprint-3	12.5	3 Days	28 Oct 2022	2 Nov 2022	11.9	2 Nov 2022
Sprint-4	12.5	4 Days	2 Nov 2022	6 Nov 2022	12.5	5 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)

$$\text{AV (Average Velocity)} = 15/12.225 = 1.2269$$

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.

