

Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID20415
Project Name	Analytics for Hospital's Health-Care Data
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	As a health care provider I can create account in IBM cloud and the data are collected.	20	High	5 Members
Sprint-2	Analyze	USN-2	As a health care provider all the data that are collected is cleaned and uploaded in the database or IBM cloud.	20	Medium	5 Members
Sprint-3	Dashboard	USN-3	As a health care provider I can use my account in my dashboard for uploading dataset.	10	Medium	5 Members
Sprint-3	Visualization	USN-4	As a health care provider I can prepare data for Visualization.	10	High	5 Members
Sprint-4	Visualization	USN-5	As a health care provider I can present data in my dashboard.	10	High	5 Members
Sprint-4	Prediction	USN-6	As a health care provider I can predict the length of stay	10	High	5 Members

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	3 Days	31 Oct 2022	03 Nov 2022	20	03 Nov 2022
Sprint-2	20	3 Days	04 Nov 2022	07 Nov 2022	20	07 Nov 2022
Sprint-3	20	3 Days	08 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	20	3 Days	12 Nov 2022	15 Nov 2022	20	15 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$