Project Planning Phase

Analytics For Hospital's Health-Care

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

Date	18 October 2022
Team ID	PNT2022TMID14215
Project Name	Analytics for hospital’s health-care data
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement(Epic)	User Story Number	User Story /Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	A user can register for the application through email and password	10	Low	Christo p joy DhanushAzhagar T Gowtham S Govardhan S
	Data Uploading	USN-2	A user can upload the patient data into the IBM COGNOS Analytics	10	Medium	Christo p joy DhanushAzhagar T Gowtham S Govardhan S

Sprint-2	Data Visualization	USN-3	A user can visualize the data with various tools	5	High	Christo p joy DhanushAzhagar T Gowtham S Govardhan S
	Dashboard	USN-4	A user can create a interactive dashboard from the data	10	High	Christo p joy DhanushAzhagar T Gowtham S Govardhan S
Sprint-3	Data Analysis	USN-5	A user can apply different columns on the dataset for predicting	20	Medium	Christo p joy DhanushAzhagar T Gowtham S Govardhan S
Sprint-4	Report	USN-6	A user can make a report from the analysis and dashboards	20	High	Christo p joy DhanushAzhagar T Gowtham S Govardhan S

Project Tracker, Velocity & Burndown Chart:

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-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)

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

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.