

Project Planning Phase

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

Date	30 October 2023
Team ID	NM2023TMID06838
Project Name	Project - Analysing the Performance & Efficiency of The Radisson Hotels using Data Visualization Techniques using IBM COGNOS
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	User authentication	USN-1	As a user, I want to be able to create an account and log in to the system with my credentials. Also want the system to securely store and manage my personal information	5	High	SUBASRI SRINISHA
Sprint-2	Data collection and Integration	USN-2	As a data analyst, I want to collect data from various sources, including reservation systems, guest reviews, and financial records, to assess the hotel's performance. As a user, I want the system to integrate with Radisson's internal databases and external data sources.	8	High	MOHAMMED SUHAIL NUMA ALEX
Sprint-3	Performance metrics dashboard	USN-3	As a manager, I want to see key performance indicators (KPIs) on a dashboard, including occupancy rates, revenue, guest satisfaction scores, and staff efficiency.	10	High	SRINISHA SUBASRI

			As a user, I want the system to generate reports and visualizations for performance analysis.			
Sprint-4	Alerts and notifications	USN-4	As a manager, I want to receive alerts and notifications when KPIs fall below or exceed predefined thresholds. As a user, I want to customize the alert settings.	5	Low	SUBASRI SRINISHA
Sprint-5	Historical data storage	USN-5	As a user, I want the system to store historical data for trend analysis and forecasting.	6	Medium	NUMA ALEX MOHAMMED SUHAIL

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	2 Days	21 Oct 2023	22 Oct 2023	20	22 Oct 2023
Sprint-2	20	2 Days	23 Oct 2022	24 Oct 2023	20	24 Oct 2023
Sprint-3	20	3 Days	25 Oct 2023	27 Oct 2023	20	27 Oct 2023
Sprint-4,5	20	3 Days	28 Oct 2023	30 Oct 2023	20	30 Oct 2023

Velocity:

For calculating the velocity, team have 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Then calculate the team's average velocity (AV) per iteration unit (story points per day)

Average Velocity (AV) per iteration unit = Total Velocity / Number of Days

In this case, the total velocity is 20 points per sprint, and the sprint duration is 10 days. By applying the formula:

AV per iteration unit = 20 points / 10 days = 2 points per day

The team's average velocity per iteration unit is 2 story points per day. This means, on average, the team completes 2 story points worth of work each day during the 10-day sprint.

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.

