

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID39865
Project Name	Estimate the crop yield using Data Analytics
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 user, I can register for My Web Page by entering my email, password, and confirming my password.	2	High	Jaswanth.M
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the Web page.	1	Medium	Jaswanth.M
Sprint-1	Login	USN-3	As a user, I can log into the My Web Page by entering email & password	2	High	E.S.Hemachand
Sprint-2	IBM Cognos Analysis Registration	USN-4	AS a user ,Click on Registration Link by entering my email and Password in IBM Registration page.	1	Low	E.S.Hemachand
Sprint-2		USN-5	In Below IBM Registration page , I have created a Jupyter Notebook Button.	1	Low	E.S.Hemachand
Sprint-2	Uploading Dataset	USN-6	After Completed the Registration Process, You will Upload your Dataset in Cognos Analysis.	2	High	E.Gireesh

Sprint-2	Data Exploration	USN-7	Explore the Dataset which is uploaded in the IBM Cognos Analysis.	1	High	Jaswanth.M
Sprint-3	Visualization Chart	USN-8	Creating the Data Visualization Chart.	2	Medium	E.S.Hemachand

Sprint-3	Dashboard	USN-9	In IBM Cognos Registration Page , You have to click Jupyter Notebook Button.	1	Low	E.Gireesh
Sprint-4	Dashboard Visualization Chart	USN-10	Creating a Dashboard By using Python code in Jupyter Notebook	2	High	E.Gireesh
Sprint-4	Export the Analytics	USN-11	Export the Dashboard and Submit on Github.	2	Medium	Anne Bharath Kumar
Sprint-4	Report	USN-12	Create the Project Report and submit.	2	High	Anne Bharath Kumar

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	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)

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

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/> <https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management> <https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software> <https://www.atlassian.com/agile/tutorials/epics> <https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>