

Project Planning Phase

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

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|---------------|-------------------------------------------------------|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID40106 |
| Project Name | Project - Data Analytics for DHL Logistics Facilities |
| 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 | Login | USN-1 | As a user, I can register & log into the application by entering email & password | 10 | High | Uttamsha R |
| Sprint-1 | Verify | USN-2 | As a user, I can verify the email with given otp and check for correct subscription access | 10 | High | Vigneshsakthi |
| Sprint-2 | Collect Data | USN-3 | As an admin I can define questions & goals then collect data & provide the dataset in IBM Cognos analytics | 10 | High | Sivaprakasam |
| Sprint-2 | Prepare & Explore | USN-4 | As an admin I can prepare, explore & present the dataset in IBM Cognos analytics | 10 | High | Tamilarasan |
| Sprint-3 | Analyze | USN-5 | As an admin, I will analyze the given dataset (Data pre-processing) | 10 | High | Uttamsha R |
| Sprint-3 | Predict | USN-6 | As an admin, I will predict the length of stay (Prediction) | 10 | High | Vigneshsakthi |
| Sprint-4 | Visualization | USN-7 | As a user, I can select the visualization type like Report, Dashboard and story (Creating visualization) | 7 | Medium | Sivaprakasam |
| Sprint-4 | Dashboard | USN-8 | As a user, I can upload the datasets to the dashboard and view visualizations | 8 | High | Tamilarsan |
| Sprint-4 | Communicate | USN-9 | As an admin, I can communicate to the client for user queries and visualize the best dashboards in any platform as a user expected | 5 | Low | Uttamsha R |

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:

we have a 6-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)

$$AV = \text{Sprint duration} / \text{Velocity} = 20/6 = 3.33$$

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.

