# Project Planning Phase

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

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|---|---|
| **Date** | **29 October 2022** |
| **Team ID** | **PNT2022TMID19814** |
| **Project Name** | **Smart Fashion Recommender Application** |
| **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 | UI Creation, Creating Registration page, Login page. | 10 | Medium | SNEKHA S<br>LOGESHWARAN K<br>NISHANTH R<br>LAVANYA K |
| Sprint-1 | Database Connectivity | USN-2 | Viewing Products and Connecting UI with Database. | 10 | High | SNEKHA S<br>LOGESHWARAN K<br>NISHANTH R<br>LAVANYA K |
| Sprint-2 | Send Grid Integration | USN-3 | Send Grid Integration with python code. | 10 | Low | SNEKHA S<br>LOGESHWARAN K<br>NISHANTH R<br>LAVANYA K |
| Sprint-2 | Chatbot Development | USN-4 | Building a chatbot. | 10 | High | SNEKHA S<br>LOGESHWARAN K<br>NISHANTH R<br>LAVANYA K |

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|---|---|---|---|---|---|---|
| Sprint-3 | Integration and Containerizatio n | USN-5 | Integrating chatbot to the HTMLpage and containerizing the app. | 20 | Medium | SNEKHA S<br>LOGESHWARAN K<br>NISHANTH R<br>LAVANYA K |
| Sprint-4 | Upload Image and deployment | USN-6 | Upload the image to the IBM Registry anddeploy it in the Kubernetes Cluster. | 20 | High | SNEKHA S<br>LOGESHWARAN K<br>NISHANTH R<br>LAVANYA K |

**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)

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

**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 suchas 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/sprintshttps://www.atlassian.com/agile/project-management/estimation https://www.atlassian.com/agile/tutorials/burndown-charts**