**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 29 October 2022 |
| Team ID | PNT2022TMID31571 |
| 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 | CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |
| Sprint-1 | Database Connectivity | USN-2 | Viewing Products and Connecting UI with Database. | 10 | High | CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |
| Sprint-2 | Send Grid Integration | USN-3 | Send Grid Integration with python code. | 10 | Low | CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |
| Sprint-2 | Chatbot Development | USN-4 | Building a chatbot. | 10 | High | CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |
| Sprint-3 | Integration and Containerization | USN-5 | Integrating chatbot to the HTML page and containerizing the app. | 20 | Medium | CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |
| Sprint-4 | Upload Image and deployment | USN-6 | Upload the image to the IBM Registry and deploy it in the Kubernetes Cluster. | 20 | High | CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |

**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 |  |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 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)



**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 m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) 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.visual-paradigm.com/scrum/scrum-burndown-chart/) [**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software) [**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics) [**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints) [**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation) [**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)