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

| Date | 28 October2022 |
|---|---|
| Team ID | PNT2022TMID34565 |
| Project Name | Project – Skill / Job Recommender |
| 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<br>Creating Registration page, Login page | 10 | Medium | Revathi<br>Sharranya<br>Sahaya Jemi  Selsa<br>Sree Bhavani |
| Sprint-1 | Database Connectivity | USN-2 | Viewing and applying jobs<br>Connecting UI with Database | 10 | High | Revathi<br>Sharranya<br>Sahaya Jemi  Selsa |
| Sprint-2 | SendGrid Integration | USN-3 | SendGrid Integration with Python Code | 10 | Low | Revathi<br>Sree Bhavani |
| Sprint-2 | Chatbot Development | USN-4 | Building a chatbot | 10 | High | Sharranya<br>Sahaya Jemi Selsa |
| Sprint-3 | Integration and Containerisation | USN-5 | Integrating chatbot to the HTML page and containerizing the app. | 20 | Medium | Revathi<br>Sharranya<br>Sahaya Jemi  Selsa<br>Sree Bhavani |

| Sprint-4 | Upload Image and deployment | USN-6 | Upload the image to the IBM Registry and deploy it in the Kubernetes Cluster. | 20 | High | Revathi Sharranya Sahaya Jemi  Selsa Sree Bhavani |
|---|---|---|---|---|---|---|

**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)

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

**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 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/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)