**Project Planning Phase**

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

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| --- | --- |
| Date | 21 October 2022 |
| Team ID | IBM-Project-23287-1659877068 |
| Project Name | Project - 23287-1659877068 |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Created Sprints using the Project planning tool called **JIRA software (Scrum Template).**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Pre-requisites for the model | USN-1 | Only if this module is done, I can rely on the accuracy of the detection of diabetic retinopathy. | 5 | Medium | Adlin, Harini |
| Sprint-1 | Research | USN-2 | The dataset and the path setup to be done for the right input and output. | 13 | High | Harini, Nandhini, Bhabhitha |
| Sprint-1 | Finalizing Model | USN-3 | Apt model should be selected, so that I can get an accurate result. | 2 | High | Adlin, Harini, Nandhini, Bhabhitha |
| Sprint-2 | IBM cloud access | USN-4 | This is the pre requisites for me to access the tools for the model building. | 10 | Medium | Adlin, Harini, Nandhini, Bhabhitha |
| Sprint-2 | Model Building | USN-5 | Only once the model is completed, I can process the input from the website | 10 | High | Adlin, Harini, Nandhini, Bhabhitha |
| Sprint-3 | Application Building | USN-6 | As a user, I can upload the fundus image so that it becomes the input to the model. | 20 | High | Adlin, Harini, Nandhini, Bhabhitha |
| Sprint-4 | Training | USN-7 | I can know the efficiency of the current model and the accuracy. I can also make room for improvement. | 10 | High | Adlin, Harini, Nandhini, Bhabhitha |
| Sprint-4 | Testing | USN-8 | As a user, I can know the accurate result of the severity of the illness from the fundus image uploaded. | 10 | Medium | Adlin, Harini, Nandhini, Bhabhitha |

**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 | 01 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 20 Nov 2022 |
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**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)



Sprint 1: 20/6 = 3.33

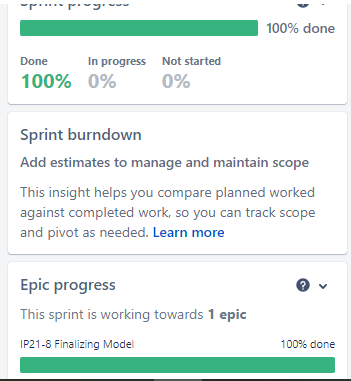
Sprint 2: 20/7 = 2.85

Sprint 3: 20/6 = 3.33

Sprint 4: 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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies 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)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)