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

| Date | 21 October 2022 |
|---|---|
| Team ID | PNT2022TMID00519 |
| Project Name | Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy. |
| Maximum Marks | 8 Marks |

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

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 | As a user, I can register for the application byentering my email or phone number and password, and confirming my password. | 10 | High | J. Radha Priyadarshan |
| Sprint-1 | DashBoard | USN-2 | As a user, I will Redirect to the dashboard after registration which shows the importance of DR. | 10 | Medium | J. Radha Priyadarshan |
| Sprint-2 | Login | USN-3 | As a user, I can log into the application byentering Login credentials. | 5 | High | J. Radha Priyadarshan |
| Sprint-2 | Upload Images | USN-4 | As a user, I should be able to upload the imageof eye Retina. | 10 | High | J. Radha Priyadarshan |

| Sprint-2 | Dashboard | USN-5 | As a user, based on my requirement I cannavigate through the dashboard. | 5 | Medium | J. Radha Priyadarshan |
| Sprint-3 | Train the model | Task 1 | As a developer, the dataset will be uploaded and trained by developed algorithm. | 20 | High | J. Radha Priyadarshan |
| Sprint-4 | Testing & Evaluation | Task 2 | As a developer, we tested the trained model using the provided dataset and model will be evaluated for accurate results. | 10 | High | J. Radha Priyadarshan |
| Sprint-4 | Display predictedresult | USN-6 | As a user, I can view the predicted result in the dashboard. | 10 | High | J. Radha Priyadarshan |

## Project Tracker, Velocity & Burndown Chart: (4 Marks)

| Sprint | Total story point | Duration | Sprint Start Date | Sprint EndDate (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).

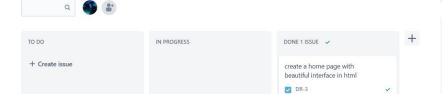$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

AV=20/6=3.33points per day.

## Burn Down Chart & JIRA :

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.

JIRA Folder is created to show the Scrum methodologies and Burn Down chart progress.
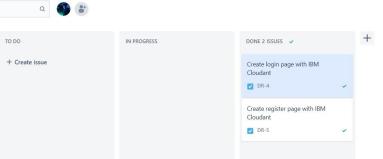
# Sprint-1

**TO DO**

+ Create issue

**IN PROGRESS**

**DONE 1 ISSUE** ✓

create a home page with beautiful interface in html

☑ DR-3 ✓

---

# Sprint-2

GROUP BY None ▾

**TO DO**

+ Create issue

**IN PROGRESS**

**DONE 2 ISSUES** ✓

Create login page with IBM Cloudant

☑ DR-4 ✓

Create register page with IBM Cloudant

☑ DR-5 ✓

---

# Sprint-3

**TO DO**

+ Create issue

**IN PROGRESS**

**DONE 2 ISSUES** ✓

Create a prediction html page to upload image

☑ DR-6 ✓

Create a output html page to display the predicted output

☑ DR-7 ✓

---

# Sprint-4

GROUP BY None ▾

**TO DO**

+ Create issue

**IN PROGRESS**

**DONE 3 ISSUES** ✓

Train a model in IBM ML service and extract a trained model

☑ DR-8 ✓

Create Flask app to integrate html pages.

☑ DR-9 ✓

write a function to get image and give a output

☑ DR-10 ✓

💡 Quickstart ✕