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

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID53189 |
| Project Name | Project - Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy |
| 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 | As a user, I can register for the application by entering my email, password, and confirming my password. | 3 | High | Dharsini |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | Low | Karthika |
| Sprint-2 | | USN-3 | As a user, I can register for the application through Facebook | 5 | High | Kayanat |
| Sprint-1 | | USN-4 | As a user, I can register for the application through Gmail | 3 | High | Kavya |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 3 | High | Karthika |
| Sprint-2 | Dashboard | USN-6 | As a user, I can navigate through various sections of the application | 5 | Medium | Kavya,Karthika |
| Sprint-2 | About Us Page | USN-7 | As a user,I can know about the application and about the objectives and outcomes of predictions of the images. | 6 | Medium | Kavya,Dharsini |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-2 | Main Page | USN-8 | As a user,I can upload the images for prediction and know more about the process. | 10 | High | Dharsini,Kayanat,Karthika |
| Sprint-3 | Report Page | USN-9 | As a user,I can access the results of my image prediction and use it for further use. | 9 | High | Kayanat,Karthika |
| Sprint-4 | Contact Us Page | USN-10 | As a user,I can contact the administrator via phone,email or post. | 5 | Medium | Karthika,Kavya |
| Sprint-4 | Hosting | USN-11 | As a user,I can access the website both from mobile and PC. | 8 | High | Dharsini,Kayanat |

**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 | 10 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 10 | 29 Oct 2022 |
| Sprint-2 | 26 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 26 | 31 Oct 2022 |
| Sprint-3 | 9 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 9 | 07 Nov 2022 |
| Sprint-4 | 13 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 13 | 14 Nov 2022 |

**Velocity:**

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)

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

NOTE:**Velocity and Burndown chart to be updated after completion of sprints**

## Burndown Chart