

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 18 October 2022   |
| Team ID       | PNT2022TMID45702  |
| Project Name  | Project - AI- Based localization and classification of skin disease with Erythema |
| 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. | 2            | High     | Subathra.V<br>Arthina.R<br>Selvakumari.R<br>Velvizhi.M |
| Sprint-1 | Registration                  | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 1            | High     | Subathra.V<br>Arthina.R<br>Selvakumari.R<br>Velvizhi.M |
| Sprint-2 | Registration                  | USN-3             | As a user, I can register for the application through Facebook  | 2            | Low      | Subathra.V<br>Arthina.R<br>Selvakumari.R<br>Velvizhi.M |
|          | Registration                  | USN-4             | As a user, I can register for the application through Google Account                                      | 2            | Low      | Subathra.V<br>Arthina.R                                |
| Sprint-1 | Registration                  | USN-5             | As a user, I can register for the application through Gmail   | 2            | Medium   | Selvakumari.R<br>Velvizhi.M                            |

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task  | Story Points | Priority | Team Members                             |
|----------|-------------------------------|-------------------|--|--------------|----------|--|
| Sprint-1 | Login                         | USN-6             | As a user, I can log into the application by entering email & password   | 1            | High     | Subathra.V<br>Arthina.R<br>Selvakumari.R |
| Sprint-3 | Dashboard                     | USN-7             | As a user, I can see the description about the option in web application                                       | 2            | Low      | Subathra.V<br>Arthina.R                  |
| Sprint-3 | Dashboard                     | USN-8             | As a user, I can provide the necessary details and answer the question in that website honestly                | 2            | High     | Selvakumari.R<br>Velvizhi.M              |
| Sprint-3 | Dashboard                     | USN-9             | As a user, I upload the drawn images and get the desired result along with the accuracy                        | 2            | High     | Subathra.V<br>Arthina.R                  |
| Sprint-4 | Dashboard                     | USN-10            | As a user, I can able to see the Nearby located Hospitals, and some medication advices                         | 1            | Low      | Subathra.V                               |
| Sprint-4 | Management                    | USN-11            | As a Administrator, I will update our web application with additional features.                                | 2            | Low      | Arthina.R                                |
| Sprint-4 | Management                    | USN-12            | As a Administrator, I can maintain third party Services  | 1            | High     | Selvakumari.R                            |
| Sprint-4 | Management                    | USN-13            | As a Administrator, I will collect new dataset and keep our model well trained to avoid noise and duplication. | 2            | High     | Velvizhi.M                               |
| Sprint-2 | Management                    | USN-14            | As a Administrator, I can maintain the information about the user and provide privacy to them                  | 2            | High     | Subathra.V                               |

#### 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 | 6                  | 6 Days   | 24 Oct 2022       | 29 Oct 2022               | 6   | 29 Oct 2022                  |

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

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

$$AV \text{ (Sprint 1)} = 6/6 = 1$$

$$AV \text{ (Sprint 2)} = 6/6 = 1$$

$$AV \text{ (Sprint 3)} = 6/6 = 1$$

$$AV (\text{Sprint 4}) = 6/6 = 1$$

$$AV (\text{Total}) = 24/24 = 1$$

#### 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.

