

Project Planning Phase

Project Planning Template

(Product Backlog, Sprint Planning, Stories, Story points)

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|----------------------|--|
| Date | 08 November 2022 |
| Team ID | PNT2022TMID33289 |
| Project Name | Project – Fertilizer Recommendation System for Disease Prediction. |
| 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 | Akash K |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Anandh S |
| Sprint-2 | | USN-3 | As a user, I can register for the application through Gmail | 2 | Low | Akash K |
| Sprint-2 | | USN-4 | As a user, I can log into the application by entering email & password | 2 | Low | Hariharasudhan J V |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application and look into my dashboard | 1 | Medium | Hariharan P |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|---------------------|
| Sprint-1 | Dashboard | USN-1 | As a user, I can log into the application and update my profile Details | 1 | Low | Akash K |
| Sprint-2 | | USN-2 | As a user, I can log into the application and check my filter contents | 1 | Low | Hariharasudhan J V |
| Sprint-1 | | USN-3 | As a user, I can register for the application by entering my email, password, and confirming my password through web applications such as Chrome, Firefox, brave, Operamini etc. | 1 | High | Hariharan P |
| Sprint-1 | Login | USN-1 | As a Web user, I can register on the System with a User ID | 2 | Medium | Hariharasudhan J V |
| Sprint-1 | Dashboard | USN-1 | As a user, I can Report to the customer service about the error or doubt of the application by calling to the customer service which is provided in the application help box | 1 | Medium | Anandh S |
| Sprint-1 | | USN-2 | As a user, I can Report to the customer service about the error or doubt of the application by emailing to the customer service which is provided in the application help box | 1 | Medium | Hariharan P |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|------------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---------------------|
| Sprint-1 | Application | USN-1 | As a supporter, I can see how customers use the product | 2 | High | Anandh S |
| Administrator | Analyst | | As an admin, I can update several datasets about plant diseases. | 2 | High | Akash K |
| | Application | | Application administrator will rectify the error caused in the application as soon as possible and provide a patch update in order to have an error free software | 1 | High | Anandh S |
| Customer Purpose | Prediction | | It uses artificial intelligence to identify plant diseases in captured photographs and provides a live view of prediction | 2 | High | Hariharasudhan J 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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 6 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 5 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 3 | 12 Nov 2022 |
| Sprint-4 | 20 | 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)

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