

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 15 February 2025                       |
| Team ID       | LTVIP2025TMID34941                     |
| Project Name  | <b>Disease Recognition in Chickens</b> |
| Maximum Marks | 5 Marks                                |

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

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

| 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 by entering my email, password, and confirming my password. | 2            | High     |              |
| Sprint-1 | Registration                  | USN-2             | As a user, I will receive a confirmation email once I have registered.                | 1            | High     |              |
| Sprint-1 | Registration                  | USN-4             | As a user, I can register through Gmail.  | 2            | Medium   |              |

|                              |                     |        |  |   |                            |  |
|------------------------------|---------------------|--------|--|---|----------------------------|--|
| S<br>p<br>ri<br>n<br>t-<br>1 | Login               | USN-5  | As a user, I can log in using email & password.                                    | 1 | H<br>ig<br>h               |  |
| S<br>p<br>ri<br>n<br>t-<br>2 | Registration        | USN-3  | As a user, I can register through Facebook.  | 2 | L<br>o<br>w                |  |
| S<br>p<br>ri<br>n<br>t-<br>2 | Dashboard           | USN-6  | As a user, I can view the dashboard with upcoming appointments and doctor details. | 3 | H<br>ig<br>h               |  |
| S<br>p<br>ri<br>n<br>t-<br>2 | Appointment Booking | USN-7  | As a user, I can book an appointment by selecting doctor, date, and time.          | 5 | H<br>ig<br>h               |  |
| S<br>p<br>ri<br>n<br>t-<br>3 | Appointment History | USN-8  | As a user, I can view my past and upcoming appointment history.                    | 3 | M<br>e<br>d<br>i<br>u<br>m |  |
| S<br>p<br>ri<br>n<br>t-<br>3 | Notifications       | USN-9  | As a user, I receive notification reminders for upcoming appointments.             | 3 | H<br>ig<br>h               |  |
| S<br>p<br>ri<br>n            | Admin Module        | USN-10 | As an admin, I can approve, cancel, or reschedule user appointments.               | 5 | H<br>ig<br>h               |  |

|          |           |        |  |   |        |  |
|----------|-----------|--------|--|---|--------|--|
| t-4      |           |        |  |   |        |  |
| Sprint-4 | Analytics | USN-11 | As an admin, I can see data analytics of appointment trends and doctor workload. | 5 | Medium |  |

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

### Sprint Tracker Table

| Sprint   | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed | Sprint Release Date (Actual) |
|----------|--------------------|----------|-------------------|---------------------------|------------------------|------------------------------|
| Sprint-1 | 6                  | 6 Days   | 24 Oct 2022       | 29 Oct 2022               | 6                      | 29 Oct 2022                  |
| Sprint-2 | 10                 | 6 Days   | 31 Oct 2022       | 05 Nov 2022               | 10                     | 05 Nov 2022                  |
| Sprint-3 | 6                  | 6 Days   | 07 Nov 2022       | 12 Nov 2022               | 6                      | 12 Nov 2022                  |
| Sprint-4 | 10                 | 6 Days   | 14 Nov 2022       | 19 Nov 2022               | 10                     | 19 Nov 2022                  |

### Velocity Calculation

Total Story Points =  $6 + 10 + 6 + 10 = 32$

No. of Sprints = 4

Velocity =  $32 / 4 = 8$  Story Points per Sprint

## Burndown Chart Concept

### What is a Burndown Chart?

A burndown chart visually tracks the remaining work (story points) versus time. It helps monitor project progress and sprint success.

#### *Example Burndown for Sprint-2 (10 Points)*

| Day   | Planned Remaining SP | Actual Remaining SP |
|-------|----------------------|---------------------|
| Day 0 | 10                   | 10                  |
| Day 1 | 8                    | 9                   |
| Day 2 | 6                    | 7                   |
| Day 3 | 4                    | 5                   |
| Day 4 | 2                    | 3                   |
| Day 5 | 0                    | 0                   |

*Chart shows planned progress vs actual completion line.*

 Create the chart easily using [Visual Paradigm](#) or tools like Excel/Jira.

## References

- Atlassian Agile Docs:
  - <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/project-management/estimation>
- Burndown Chart Tutorial:
  - <https://www.atlassian.com/agile/tutorials/burndown-charts>