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

| Date | 22 October 2022 |
|---|---|
| Team ID | PNT2022TMID01342 |
| Project Name | ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA |
| Maximum Marks | 8 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 | Retrieve Data | USN-1 | As a user, I should get clearer clinical contextfor AIDS patient's unique case | 10 | Medium | CHARAN K |
| Sprint-1 | Visualize the data | USN- 2 | As a user,I need nicely visualized dashboard ofnumber of beds occupied and number of free beds in hospital. | 20 | High | CHARAN K |
| Sprint-2 | Track of patient visit of Hospital | USN-3 | Tracking a patient Health care over years ofvisit and Screening of data they have in hospital. | 10 | Medium | ADITHYA R |
| Sprint-3 | Dashboard | USN-3 | As a user , I want the interactive dashboard to analyze the data.<br><br>Have the data in terms of Graph. | 20 | Medium | LINGESHWARAN C |

| Sprint | | USN | | Story Points | Priority | |
|---|---|---|---|---|---|---|
| Sprint-3 | Detailed EHR's ofpatient | USN-5 | Provided greater details in the EHR's of individual patient with clear idea of what to do. | 10 | Medium | ADITHYA R |
| Sprint- 3 | Story Creation | USN-6 | As a user , I need the story animation of thedata set with insights | 20 | High | MOHANRAJ V |
| Sprint-4 | Predict LOS | USN-7 | As a user, I want the flawless system to predictthe length of stay of the patients | 20 | High | LINGESHWARAN C |
| Sprint-4 | Using ML algorithm for Prediction | USN-8 | As a user,I need prior knowledge of LOS can aid in logistics such as room and bedallocation planning. | 20 | High | MOHANRAJ 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 | 8 | 7 Days | 22 Oct 2022 | 28 Oct 2022 | 20 | |
| Sprint-2 | 8 | 8 Days | 29 Oct 2022 | 05 Nov 2022 | 20 | |
| Sprint-3 | 5 | 3 Days | 06 Nov 2022 | 08 Nov 2022 | 20 | |
| Sprint-4 | 5 | 4 Days | 09 Nov 2022 | 12 Nov 2022 | 20 | |

**Velocity:**

Imagine we have a 6-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)

$$AV = \frac{Sprint\ duration}{Velocity} = \frac{20}{6} = 3.33$$

**Burndown Chart:**

| Sprints | OCT | | | | | NOV | | | | | | | | NOV | | | | | | | NOV | | | | | | | NOV | | | | | | | DEC | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Sprints: DAFHC... | DAFHC Sprint 2 | DAFHC Sprint 3 | DAFHC Sprint 4

⚡ DAFHC-6 Data Preparation

⚡ DAFHC-10 Visualization

⚡ DAFHC-11 Dashboard

⚡ DAFHC-12 Story & Report