Project Planning Phase

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

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| **Date** | 28/10/2022 |
| **Team ID** | PNT2022TMID21880 |
| **Project Name** | Project - Analytics of Hospital Health care data |
| **Maximum Marks** | 8 Marks |

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

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| **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 context for AIDS patient’s unique case | 10 | Medium | Aruna S  Lancy S |
| Sprint-1 | Visualize the data | USN- 2 | As a user,I need nicely visualized dashboard of number of beds occupied and number of free beds in hospital. | 20 | High | Aruna S  Lancy S |
| Sprint-2 | Track of patient visit of Hospital | USN-3 | Tracking a patient Health care over years of visit and Screening of data they have in  hospital. | 10 | Medium | Aruna S  Janani N |
| Sprint -2 | Dashboard | USN - 4 | As a user , I want the interactive dashboard to analyze the data.  Have the data in terms of Graph. | 20 | High | Aruna S  Janani N |
| Sprint-3 | Detailed EHR’s of patient | USN-5 | Provided greater details in the EHR’s of individual patient with clear idea of what to do. | 10 | Medium | Aruna S  Janani N  Lancy S |
| Sprint- 3 | Story Creation | USN-6 | As a user , I need the story animation of the data set with insights | 20 | High | Aruna S  Janani N  Lancy S |
| Sprint-4 | Predict LOS | USN-7 | As a user, I want the flawless system to predict the length of stay of the patients | 20 | High | Aruna S  Janani N  Lancy S |

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| 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 bed allocation planning. | 20 | High | Aruna S  Janani N  Lancy S |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| **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 | 5 Days | 28 Oct 2022 | 01 Nov 2022 | 20 | 01 Nov 2022 |
| Sprint-2 | 20 | 5 Days | 31 Oct 2022 | 04 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-3 | 20 | 5 Days | 04 Nov 2022 | 09 Nov 2022 | 20 | 09 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 05 Nov 2022 | 11 Nov 2022 | 20 | 11 Nov 2022 |
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**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)

