**Project Planning Phase**

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

| Date | 26-05-2025 |
| --- | --- |
| Team ID | PNT2025TMID14372 |
| Project Name | Predictive Pulse: Harnessing Machine Learning for Blood Pressure Analysis |
| Maximum Marks | 5 Marks |

:

### ✅ **Product Backlog & Sprint Schedule**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | User Onboarding & Authentication | USN-1 | As a user, I can register/login securely to access the system. | 3 | High |  |
|  |  | USN-2 | As a user, I can reset my password in case I forget it. | 2 | Medium |  |
| Sprint-2 | Health Data Input & Preprocessing | USN-3 | As a user, I can enter my blood pressure and other health data manually. | 2 | High |  |
|  |  | USN-4 | As a doctor, I can upload past patient BP data in bulk for analysis. | 3 | High |  |
| Sprint-3 | Machine Learning Analysis & Alerts | USN-5 | As a system, I can predict abnormal BP trends using ML models. | 3 | High |  |
|  |  | USN-6 | As a patient, I can get alert notifications when readings are abnormal. | 2 | Medium |  |
| Sprint-4 | Reports, Visualization & User Feedback | USN-7 | As a doctor, I can view BP trends and anomaly reports visually. | 3 | High |  |
|  |  | USN-8 | As a user, I can download my health report in PDF format. | 2 | Medium |  |
|  |  | USN-9 | As a user, I can provide feedback on the prediction accuracy. | 2 | Medium |  |

### 📈 **Project Tracker, Velocity & Burndown Chart**

| **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 | 1 May 2025 | 2 June 2025 | 20 | 2 June 2025 |
| Sprint-2 | 20 | 6 Days | 3 May 2025 | 4 June 2025 | 20 | 4 June 2025 |
| Sprint-3 | 20 | 6 Days | 5 May 2025 | 6 June 2025 | 20 | 6 June 2025 |
| Sprint-4 | 20 | 6 Days | 7 May 2025 | 8 June 2025 | 20 | 8 June 2025 |