

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

|              |   |
|--------------|---|
| Date         | 27 OCT 2022   |
| Team ID      | PNT2022TMID10580                                    |
| Project name | Personal Assistant For Seniors Who Are Self Reliant |

**Product Backlog, Sprint Schedule, and Estimation**

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task  | Story points | Priority | Team Members    |
|----------|-------------------------------|-------------------|--|--------------|----------|-----------------|
| Sprint 1 | Set Alarm                     | USN-1             | As a user, I can set an alarm to alerting a medicine through medicine remainder system                     | 10           | High     | Md Tahir        |
| Sprint 1 |                               | USN-2             | As a user, I can Activate and Deactivate the alarm   | 10           | High     | Shahid Hussain  |
| Sprint 2 | Notification                  | USN-3             | As a user once I can the set the alarm then I gets the notification  | 10           | High     | Mohammed Rahim  |
| Sprint 2 |                               | USN-4             | As a user, If I requires this system then a notification will be sent into his device.                     | 10           | High     | Mohammed Ismail |
| Sprint 3 | Medication Detail             | USN-5             | As a user, I have multiple medications each day, I can put each pill in the box for the corresponding day. | 10           | High     | Mohammed Irfan  |

|          |              |       |  |    |      |   |
|----------|--------------|-------|--|----|------|---|
| Sprint 3 |              | USN-6 | As a user, between setting an alarm and using a pillbox, I'll be able to stay on top of your medications and not miss a dose.  | 5  | low  | Md Tahir,<br>Mohammed<br>Rahim,<br>Shahid Hussain     |
| Sprint 3 |              | USN-7 | As a user, I can store the name of the medicine with its description   | 10 | High | Mohammed Ismail,<br>Mohammed Irfan,<br>Mohammed Rahim |
| Sprint 4 | GPS Tracking | USN-8 | As a user, they can also help large hospitals and clinics manage their inventory more effectively  | 5  | Low  | Shahid Hussain,<br>Md Tahir,<br>Mohammed Ismail       |
|          | Sensor       | USN-9 | As a user ,they used for keeping the record in medicine details the reminding the schedule of medicine. We have used the IoT enabled Arduino device for monitoring the System. | 10 | High | Mohammed Irfan,<br>Mohammed Ismail,<br>Md Tahir       |

### 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                 | 8 days   | 29-10-2022        | 5-11-2022                 | 20  | 4-11-2022                    |
| Sprint 2 | 10                 | 8 days   | 7-11-2022         | 14-11-2022                | 10  | 13-11-2022                   |
| Sprint 3 | 20                 | 8 days   | 16-11-2022        | 23-11-2022                | 20  | 23-11-2022                   |
| Sprint 4 | 10                 | 8 days   | 23-11-2022        | 30-11-2022                | 10  | 30-11-2022                   |

**Velocity:** . Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

$$\begin{aligned}
 AV &= \text{Velocity} / \text{Sprint Duration} \\
 &= 20 / 8 \\
 &= 2.5
 \end{aligned}$$

$$\begin{aligned}
 AV &= 10 / 8 \\
 &= 1.25
 \end{aligned}$$

**Burndown Chart :**

