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

| Date | 18 October 2022 |
|------|-----------------|
| Team ID | PNT2022TMID00365 |
| Project Name | Project - **Personal assistant for senior people who are self-Reliant** |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

| 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 for the application by entering my email, password, and confirming my password. | 5 | High | 2 |
| Sprint-1 | Confirmation | USN-2 | As a user, I will receive confirmation within the web application once I have registered for the application | 3 | Low | 1 |
| Sprint-1 | Login | USN-3 | As a user, I can login into the application using my email and password | 5 | High | 3 |
| Sprint-1 | Dashboard | USN-4 | As a user, I can access the dashboard to enter the name of the medicines with their timings to be taken | 4 | Medium | 1 |
| Sprint-1 | Data Save Acknowledgement | USN-5 | Data will be saved in the web application and acknowledgement will be given to the user. | 3 | Low | 1 |
| Sprint-2 | User-Web UI interface | USN-6 | The Web UI should get inputs from the user | 7 | High | 2 |
| Sprint-2 | App interface | USN-7 | An application for a user to access the facility | 6 | Medium | 2 |
| Sprint-2 | Store Data | USN-8 | User's data must be saved properly in Database | 7 | High | 3 |
| Sprint-3 | IoT Watson Communication | USN-9 | The data from IoT device should reach the cloud though this | 6 | Medium | 2 |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-3 | Node-Red service | USN-10 | The data stored in IBM Cloud should be properly integrated with Cloudant DB | 7 | Medium | 2 |
| Sprint-3 | Integration of Cloud & Node-Red Service | USN-11 | Must ensure if there is an established communication between all services | 7 | High | 3 |
| Sprint-4 | Text-To-Speech service | USN-12 | Data processed from the IBM Watson must be converted into speech and be reverted back to users | 10 | High | 4 |
| Sprint-4 | Alarm Reminder | USN-13 | The Alarm of the remainder should be done based on the medication time | 10 | High | 4 |

**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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 28 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 10 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity:**

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

## Burndown Chart:

| TASKS | SPRINT DELIVERY 1 | SPRINT DELIVERY 2 | SPRINT DELIVERY 3 | SPRINT DELIVERY 4 |
|---|---|---|---|---|
| Task 1 - Create Cloud account | Due 24/10 – 29/10 | | | |
| Task 2 – Develop app interface | SUBMIT IN GITHUB   Submit 29/10 | | | |
| Task 3 – Test the working of app | | Due 31/10 – 05/11 | | |
| Task 4 – Complete Node Red design of the project | | SUBMIT IN GITHUB   Submit 19/11 | | |
| Task 5 - Link the design to IBM IoT Watson platform | | | Due 06/11 – 12/11 | |
| Task 6 – Create Cloudant database to store and access data | | | SUBMIT IN GITHUB   Submit 12/11 | |
| Task 7 – Complete the Text-To-Speech service | | | | Due 12/11 - 19/11 |
| Task 8 – Run and Test the overall working of Project and record it | | | | SUBMIT IN GITHUB   Submit 19/11 |
| | | | | |
| | | | | |

SPRINT DELIVERY PLAN