

Project Planning Phase

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| Date | 28 October 2022 |
| Team ID | PNT2022TMID00802 |
| Project Name | Personal Assistance for senior citizens who are self-reliant |
| 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 | simulation creation: connect sensor arduino with python code | USN-1 | As a user,I should login into my IBM Cloud account. Create IBM Watson IOT platform device and configureIBM - IOT platform | 4 | High | Logesh Kumar D, Maideshvar B, Hemanth S,Krishna Kumar K |
| Sprint-2 | Software: create device in the iot watson platform, workflow for iot scenarios using local node red | USN-2 | As a user, I should be able to send the medicine name to the IoT device at the scheduled time | 4 | High | Logesh Kumar D, Maideshvar B, Hemanth S,Krishna Kumar K |
| Sprint-3 | mit app inventor, dashboard : application for your project using mit app, design the model and test the app | USN-3 | As a user, I must be able hear the medicine name which is to be taken at the appropriate time | 4 | High | Logesh Kumar D, Maideshvar B, Hemanth S,Krishna Kumar K |
| Sprint-4 | web ui: to make the user interact with the software | USN-4 | As a user,I should be able to feed the medicine name and intake time in the web UI | 4 | High | Logesh Kumar D, Maideshvar B, Hemanth S,Krishna Kumar K |

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 | 11 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 11 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 11 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 11 Nov 2022 |

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)

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

Burndown Chart:

