**Project Planning Phase**

**SPRINT PALN DELIVERY**

|  |  |
| --- | --- |
| Date | 28 October 2022 |
| Team ID | PNT2022TMID47022 |
| Project Name | Project – Nutrition Assistant Application |
| 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 | 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. | 2 | High | SUDHIR S  SANTHOSH M  VINCENT N  KAVIYUGAN M V  GANESH A |
| Sprint -1 | Confirmation | USN-2 | * As a user, I will receive confirming email once I have registered for the application. | 1 | High | SUDHIR S  SANTHOSH M  VINCENT N  KAVIYUGAN M V  GANESH A |
| Sprint-1 | Login | USN-3 | * As a user, I can login into the application by entering email and password. | 2 | High | SUDHIR S  SANTHOSH M  VINCENT N  KAVIYUGAN M V  GANESH A |
| Sprint -2 | User details | USN-4 | * As a user, I can fill the details. | 2 | High | SUDHIR S  SANTHOSH M  VINCENT N  KAVIYUGAN M V  GANESH A |

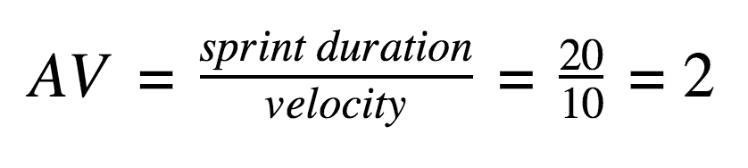
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-3 | Push  Notification | USN-5 | * As a user, I will search the food items. | 2 | High | SUDHIR S  SANTHOSH M  VINCENT N  KAVIYUGAN M V  GANESH A |
| Sprint-4 | Show the nutrition details and recipe for scanned food | USN6 | * As a user, I can scan the food and get the nutrition detail and recipe for related scanned food. | 1 | High | SUDHIR S  SANTHOSH M  VINCENT N  KAVIYUGAN M V  GANESH A |

**Project Tracer, Velocity and Burndown Chart:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total**  **Story**  **Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planed)** | **Story Points Completed (As on planed end date)** | **Sprint Release**  **Date**  **(Actual)** |
| Sprint-1 | 20 | 6 Days | 25 October 2022 | 30 October 2022 | 20 | 30 October 2022 |
| Sprint-2 | 20 | 6 Days | 31 October | 05 November 2022 | 20 | 05 November 2022 |
| Sprint-3 | 20 | 6 Days | 06 November | 11 November 2022 | 20 | 11 November  2022 |
| Sprint-4 | 20 | 6 Days | 13 November  2022 | 18 November  2022 | 20 | 18 November  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)



**Average Velocity = Story Points per Day**

**Sprint Duration = Number of (Duration) days per Sprint**

**Velocity = Points per Sprint**

**20**

 **AV**=

**6**

# Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT

**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies such as [Scrum. H](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/)owever, burn down charts can be applied to any project containing measurable progress over time.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  | Initial Estimate | 24-Oct | 25-Oct | 26-Oct | 27-Oct | 28-Oct | 29-Oct |
|  |  | Sprint number | Day 0 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
|  |  | Sprint-1 | 20 | 0 | 10 | 5 | 3 | 1 | 1 |
|  |  | Sprint-2 | 20 | 2 | 10 | 4 | 1 | 1 | 2 |
|  |  | Sprint-3 | 20 | 5 | 5 | 5 | 5 | 0 | 0 |
|  |  | Sprint-4 | 20 | 3 | 3 | 3 | 3 | 3 | 5 |
|  |  |  |  |  |  |  |  |  |  |
|  |  | Remaining effort | 80 | 70 | 42 | 25 | 13 | 8 | 0 |
|  |  | ideal effort | 80 | 66.66666667 | 53.33333333 | 40 | 26.66666667 | 13.33333333 | 0 |
|  |  |  |  |  |  |  |  |  |  |

