**Project Planning Phase**

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

| Date | 18 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID24304 |
| 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 (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. | 2 | High | P.Mahitha Chowdary  Yokesh  H.Charan Subhash  A.Guru Prasad |
| Spirit 1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | P.Mahitha Chowdary  Yokesh  H.Charan Subhash  A.Guru Prasad |
| Sprint-1 | Login | USN-3 | As a user, I I can log into the application by entering email & password | 1 | High | P.Mahitha Chowdary  Yokesh  H.Charan Subhash  A.Guru Prasad |
| Sprint-2 | User details | USN-4 | As a user, I can fill the details | 2 | High | P.Mahitha Chowdary  Yokesh  H.Charan Subhash  A.Guru Prasad |
| Sprint-3 | Push Notification | USN-5 | As a user, I will search the food items | 2 | Medium | P.Mahitha Chowdary  Yokesh  H.Charan Subhash  A.Guru Prasad |
| Sprint-4 | Shown the nutrition details and Recipe for scanned food | USN-6 | As a user, I can scan the food and get the nutrition details and recipe for related scanned food | 1 | High | P.Mahitha Chowdary  Yokesh  H.Charan Subhash  A.Guru Prasad |
|  |  |  |  |  |  |  |

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

**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**

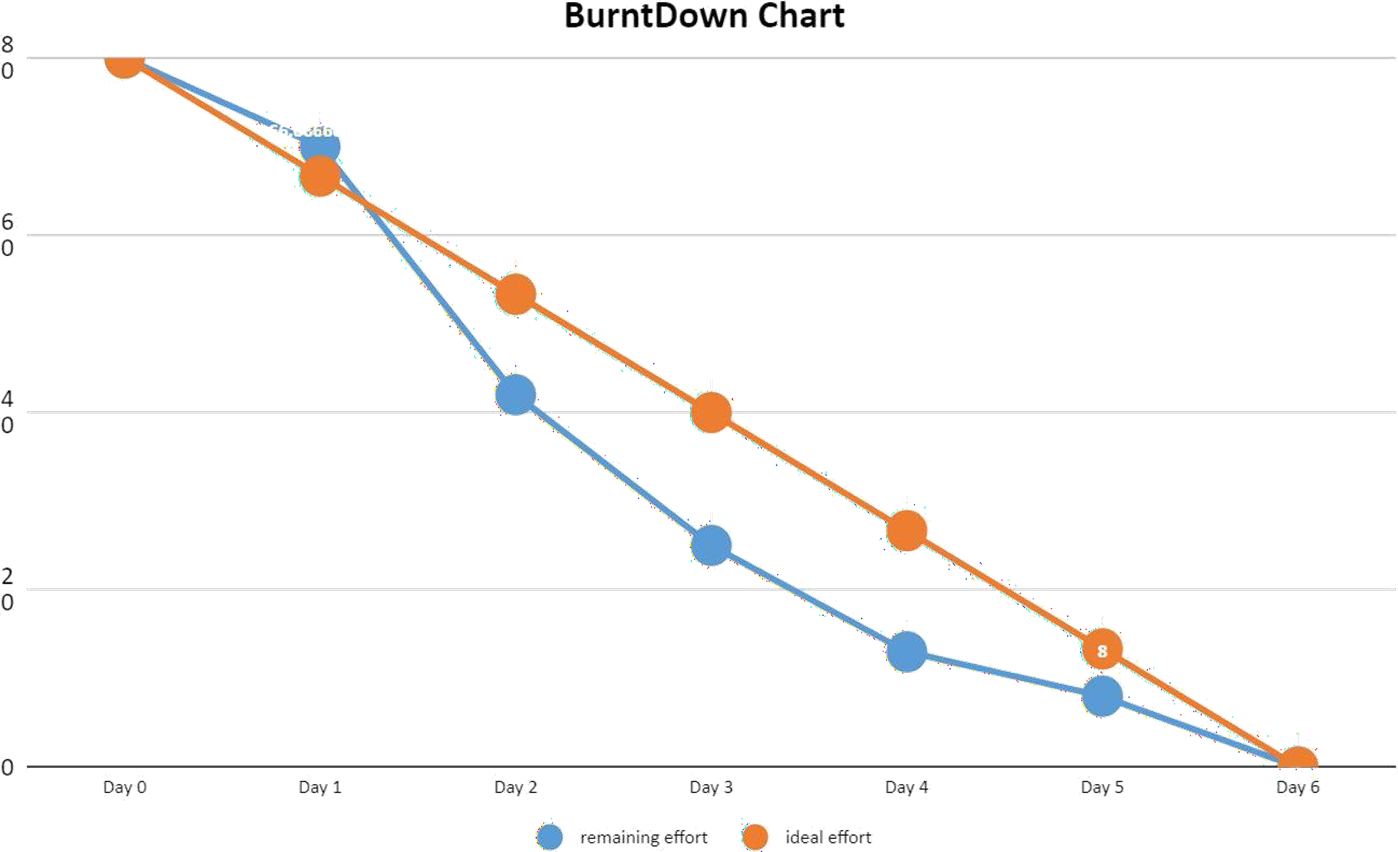
**AV= 20/6 ≈ 4**

**Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT**

**Burndown Chart:**

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **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** |

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