**Project Planning Phase**

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

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| Date | 25 October 2022 |
| Team ID | PNT2022TMID14061 |
| Project Name | AI-POWERED NUTRITION ANALYSER FOR FITNESS ENTHUSIASTS |
| Maximum Marks | 8 Marks |

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

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Pre-requisites for Model Building | USN-0 | As a developer I have to collect different type of  data possible and other data supporting the model | 5 | High |  |
| 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 |  |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 5 | High |  |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through social media (Fb, Insta, twitter) | 3 | Low |  |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 3 | Medium |  |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 5 | High |  |
| Sprint-2 | Model Building | USN-6 | Development of the model with the prepared data set | 5 | High |  |
| Sprint-2 | Main Interface | USN-7 | As a user I can view my calorie intake by clicking photo of the food I eat | 5 | High |  |
| Sprint-2 | Package, Dashboard | USN-8 | As a user I can choose variety of packages based on my requirement | 4 | Medium |  |

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Diet Plan for free users | USN-9 | As a dietitian I provide daily plans for the betterment of the user | 5 | High |  |
| Sprint-3 | Personalized user food habit-based diet  plan for premium users | USN-10 | As a Premium User, I can choose to follow diet plan based on my food habits or the generalized one | 3 | Medium |  |
| Sprint-2 | User image Analysis | USN-11 | As a user I can track my calorie intake, and know about my food in detail. | 5 | High |  |
| Sprint-3 | Improve efficiency of AI model | - | As a developer I have to give a better model that will analyse food precisely and provide  accurate results | 3 | Medium |  |
| Sprint-2 | User Analysis record | USN-12 | As a user, I can check the previous records and I can analyse my food habits | 4 | Medium |  |
| Sprint-4 | Fitness tips and basic exercises | USN-13 | As a user I can follow some fitness tips and I can maintain weight as required | 5 | Medium |  |
| Sprint-4 | Home remedies | USN-14 | As a user I can follow some natural home remedies for common diseases like (cold, cough , fever ) and treat myself | 5 | High |  |
| Sprint-4 | Optimize the user experience with the  app | \_ | As a developer I have to provide clean and smooth interface to my user | 5 | High |  |
| Sprint-4 | Payment Gateway for purchasing package |  | As a developer I have to create a environment  which makes user feel ease to complete his/her Payments with various Payment options | 3 | Medium |  |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| **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 | 20ADD | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 23 | 28 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 26 | 04 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 11 | 11 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 18 | 17 Nov 2022 |
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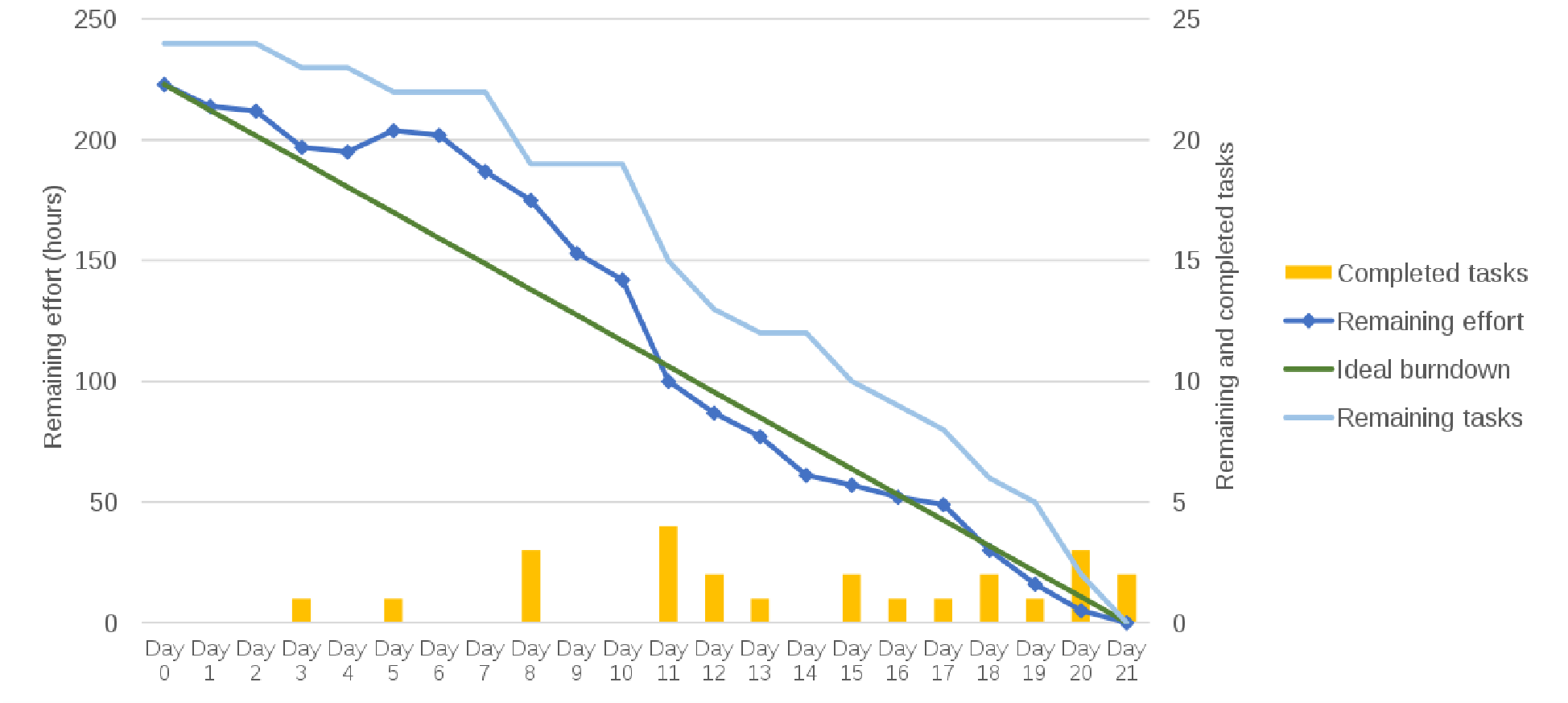
**Velocity:**

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)



**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](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.

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