Project Planning Phase

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

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID10584 |
| Project Name | Project – AI-Powered Nutrition Analyzer For Fitness Enthusiasts |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

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| **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 | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-2 | Model Building | USN-6 | Development of the model with the prepared dataset | 2 | High | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Abinayaa A Ramya K Rithika S Soundarya PS | Main Interface | USN-7 | As a user, I can view my calorie intake by clicking the photo of the food I eat | 2 | High | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Abinayaa A Ramya K Rithika S Soundarya PS | Package,Dashboard | USN-8 | As a user, I can choose variety of packages as per requirements | 3 | Medium | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-3 | Diet plan for free users | USN-9 | As a dietician, I provide daily plans for the betterment of the user | 4 | High | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-3 | Personalized user food habit-based  diet plan for premium users | USN-10 | As a premium, user,I can use to follow diet plan based on my food habits or the generalized one | 3 | Medium | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| 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 | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-3 | Improve efficiency of AI model | - | As a user, I have to give a better model that will analyse food precisely and provide accurate results | 3 | Medium | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| 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 | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| 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 | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-4 | Home Remedies | USN-14 | As a user, I can follow some natural home remedies for common diseases like cold, caugh, fever and treat myself | 5 | High | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-4 | Optimize the user experience with the app | USN-15 | As a developer, I have to provide clean and smooth interface to my user | 5 | Hiigh | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |
| Sprint-4 | Payment Gateway for purchasing package | - | As a developer, I have to create an environment which makes user feel to compete his/her payments with payment  options | 3 | Medium | Anand A  Irfan Aslam K  Mukilan R  Sanjay Kanth G |

# 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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 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 | 18 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.

