# Project Planning Phase
## Project Planning (Product Backlog, Sprint Planning, Stories, Story points)

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID02819 |
| Project Name | Nutrition Assistant Application |
| 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-4 | Final Delivery | USN-4 | Container of applications using docker Kubernetes and development the application. Create the documentation and final submit the application | 20 | High | Fadal Razin S Fauwaaz Ashaal Basheer Ahmed Hyder Ali |

**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-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 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)

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

# 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

**Goal : 80 hours in 4 weeks**
## Burndown Chart

Effort(hours)

90 · 80 · 70 · 60 · 50 · 40 · 30 · 20 · 10 · 0

Setting up App Environment

Integrating sendgrid service

Developing a chatbot

Implementing web App

Deployment of app in IBM Cloud

Actual Effort

Estimated  Effort

| Oct 24 - 29 Week 1 | Oct 31 – Nov 05 Week 2 | Nov 07 – 12 Week 3 | Nov 14 – 19 Week 4 |

Remaining (Days)