# **Milestone Document**

**Creation of a Prototype:**

This milestone involves the creation of a prototype of NutriScope. The SMART criteria for this milestone are:

**Specific (S)**: Create an evolutionary prototype of NutriScope that highlights essential functionality like sleep, meal, and exercise tracking. Other essential features include the identification of food from uploaded pictures and workout recommendations.

**Measurable (M)**: The prototype should be fully functional and able to track a user’s sleep, meal, and exercise habits. It should identify the food type from user uploaded pictures and show calorie and macro information within 5 seconds.

**Achievable/Assignable (A)**: The creation of the prototype is achievable and will be assigned to the front-end development team. The back-end development team will support the front-end team for features that require an API.

**Realistic (R)**: Based on the available resources, the expertise of the team, the process model used, and the stakeholder's level of engagement, the creation of the prototype is feasible.

**Time-framed (T)**: The prototype shall be created within three months of the project initiation.

The discovery of this milestone adds the following tasks which will be added to the Gantt chart:

1. Integrate the mockups with relevant API functionality
2. Obtain stakeholder approval and feedback

**Initial Deployment:**

This milestone involves the completion of the project and the initial deployment of NutriScope. The SMART criteria for this milestone are:

**Specific (S)**: Successfully deploy NutriScope across web, mobile, and wearable devices for the first time to users.

**Measurable (M)**: NutriScope should be accessible across web, mobile, and wearable devices. It should be free of major bugs and be able to handle 100,000 simultaneous users.

**Achievable/Assignable (A)**: The deployment is achievable and will be assigned to the devops team. The devops team will be responsible for ensuring an easy and smooth deployment.

**Realistic (R)**: Given sufficient testing and stakeholder approval, deploying NutriScope across multiple platforms is possible.

**Time-framed (T)**: The initial deployment of NutriScope shall be completed within 1 year of project initiation.

The discovery of this milestone adds the following tasks which will be added to the Gantt chart:

1. Create CI/CD pipelines
2. Observe application health