**Initial Project Planning Template**

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| Date | 27 September2024 |
| Team ID | 739652 |
| Project Name | Ai-Powered Nutrition Analyzer For Fitness Enthusiasts |
| Maximum Marks | 4 Marks |

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

Use the below template to create a product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
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| Sprint-1 | Data collection | USN-1 | As a fitness enthusiast, I want an AI-powered nutrition analyzer to log my meals effortlessly so that I can track my calorie intake and nutrients accurately. | 5 | High | RAMYA SREE | 20/10/2024 | 21/10/2024 |
| Sprint-2 | Data Preprocessing | USN-2 | As a fitness enthusiast, I want the AI-powered nutrition analyzer to clean and standardize my food intake data so that I can receive accurate nutritional insights. | 3 | High | RAMYA SREE  AKHIL | 22/10/2024 | 23/10/2024 |
| Sprint-2 | Data Preprocessing | USN-4 | Develop a preprocessing pipeline to handle missing values, normalize nutritional data, and categorize food items for analysis. representations for machine learning models | 3 | Medium | RAMYA SREE  MANIKANTA | 24/10/2024 | 26/10/2024 |
| Sprint-3 | Model Building&  Model Selection | USN-5 | As a fitness enthusiast, I want the AI-powered nutrition analyzer to provide accurate macronutrient and micronutrient breakdowns of my meals, so I can optimize my diet for my fitness goals. | 3 | High | RAMYA SREE  AKHIL | 27/10/2024 | 28/10/2024 |
| Sprint-4 | Model Training | USN-6 | As a fitness enthusiast, I want an AI-powered nutrition analyzer to provide personalized meal recommendations based on my dietary preferences and fitness goals so that I can achieve optimal health and performance. | 3 | Medium | RAMYA SREE | 29/10/2024 | 1/11/2024 |
| Sprint-5 | Creating and Generating Submission file | USN-7 | As a fitness enthusiast, I want an AI-powered nutrition analyzer to track and analyze my dietary intake so that I can optimize my nutrition and achieve my fitness goals. | 3 | High | MANIKANTA  KOUSHIK | 2/11/2024 | 4/11/2024 |
| Sprint-6 | Application Building | USF-9 | As a fitness enthusiast, I want an AI-powered nutrition analyzer that scans my meals and provides detailed nutritional insights, so I can make informed dietary choices to meet my fitness goals. | 4 | High | AKHIL | 5/11/2024 | 7/11/2024 |
| Sprint-6 | Model Development | USF-10 | To build an HTML Develop and train a machine learning model to analyze user inputs (e.g., dietary preferences, fitness goals, and consumed foods) and generate tailored nutritional insights and meal recommendations. | 4 | Medium | MANIKANTA | 8/11/2024 | 10/11/2024 |
| Sprint-6 | Model Development | USF-11 | As a fitness enthusiast, I want an AI-powered nutrition analyzer that provides personalized meal suggestions and tracks my nutrient intake, so I can optimize my diet for my fitness goals. | 3 | Medium | AKHIL | 11/11/2024 | 13/11/2024 |
| Sprint-6 | Project Report | USN-12 | Reporting the project | 4 | Medium | RAMYA SREE  AKHIL  MANIKANTA  KOUSHIK | 14/11/2024 | 15/11/2024 |