

**Initial Project Planning Template**

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| Date  Team ID  Project Name  Maximum Marks | 9 July 2024  team-739821  Precise Coffee Quality prediction  4 Marks |

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

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

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| **Sprint**    Sprint-1 | **Functional Requirement**  **(Epic)**  Define problem/proble m  understanding  Data Collection and Preparation | **User Story Number**    USN-9891501 | **User Story / Task**    As a user, I want to define the specific problem statement and objectives for the coffee quality prediction project. | **Story Points**    2 | **Priority**    Medium | **Team Members**    Chaithanya, Keerthana, Shivakumar | **Sprint Start Date**    20/06/2024 | **Sprint End Date**  **(Planned)**  20/06/2024 |
| Sprint-2 | USN-9891509 | As a user, I want to gather and preprocess coffee bean data from various sources for analysis. | 3 | High | Chaithanya | 21/06/2024 | 24/06/2024 |
| Sprint-3    Sprint-4 | Exploratory Data Analysis    Model Building | USN-9891516    USN-9891521 | As a user, I want to perform exploratory data analysis to understand patterns and relationships  in coffee bean attributes.  As a user, I want to develop and train best model among few models to predict coffee bean health based on  collected data. | 2    4 | Medium | Ruthvika, Chaithanya | 25/06/2024 | 27/06/2024 |
| High | Ruthvika | 28/06/2024 | 29/06/2024 |



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| **Sprint**    Sprint-5 | **Functional Requirement**  **(Epic)**  Performance Testing | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date**    29/06/2024 | **Sprint End Date**  **(Planned)**  30/06/2024 |
| USN-9891525 | As a user, I want to conduct performance testing to evaluate the accuracy and efficiency of the developed model. | 2 | Medium | Ruthvika |
| Sprint-6 | Deployment | USN-9891526 | As a user, I want to deploy the trained model onto a production server for real-time predictions. | 5 | High | Ruthvika | 01/07/2024 | 07/07/2024 |
| Sprint-7 | Documentation | USN-9891532 | As a user, I can contribute to and update the documentation to ensure it remains current and comprehensive for the application. | 3 | Medium | Ruthvika, Chaithanya, Keerthana, Shivakumar | 08/07/2024 | 10/07/2024 |