**Initial Project Planning Template**

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| Date | 15 March 2024 |
| Team ID | 740018 |
| Project Name | Deepfruitveg: Automated Fruit And Vegetable Identification |
| 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 | Automated Fruit and Vegetable Identification | US1 | Implement image capture system for fruits and vegetables | 5 | High |  |  |  |
| Sprint-1 | Automated Fruit and Vegetable Identification | US2 | Develop the initial model for fruit and vegetable recognition | 8 | High |  |  |  |
| Sprint-2 | Image Processing and Classification | US3 | Train deep learning model on a labeled dataset of fruits and vegetables | 13 | High |  |  |  |
| Sprint-3 | Integration with Sorting System | US5 | Integrate automated identification with the sorting conveyor system | 8 | Medium |  |  |  |
| Sprint-4 | Testing and Optimization | US7 | Conduct system testing with various lighting and produce types | 13 | High |  |  |  |
| Sprint-4 | Testing and Optimization | US8 | Optimize the model to reduce false positives/negatives | 8 | High |  |  |  |