Project Planning Phase

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Data Collection | USN-1 | Download Food Nutrition Dataset | 4 | High | Sridharsni S  Rithani Rajyasree V |
| Sprint-1 | Image Preprocessing | USN-2 | Importing The Dataset into Workspace | 1 | Low | Sreya S  Sruthi V N |
| Sprint-1 |  | USN-3 | Handling Missing Data | 3 | Medium | Sridharsni S |
| Sprint-1 |  | USN-4 | Feature Scaling | 3 | Low | Sruthi V N |
| Sprint-1 |  | USN-5 | Data Visualization | 4 | High | Sreya S  Sruthi V N |
| Sprint-1 |  | USN-6 | Spitting the Data into the Train and Test | 4 | Medium | Sridharsni S |
| Sprint-1 |  | USN-7 | Creating A Dataset with Sliding Windows | 4 | Medium | Sridharsni S  Rithani Rajyasree V |
| Sprint-2 | Model Building | USN-8 | Importing The Model Building Libraries | 1 | Medium | Sreya S |
| Sprint-2 |  | USN-9 | Initializing The Model | 3 | High | Rithani Rajyasree V |
| Sprint-2 |  | USN-10 | Adding LSTM Layers | 2 | Medium | Sreya S  Sruthi V N |
| Sprint-2 |  | USN-11 | Adding Output Layers | 3 | High | Sreya S |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-2 |  | USN-12 | Configure The Learning Process | 2 | Low | Sreya S  Sruthi V N  Sridharsni S |
| Sprint-2 |  | USN-13 | Train The Model | 2 | Medium | Sruthi V N  Sridharsni S |
| Sprint-2 |  | USN-14 | Model Evaluation | 1 | Medium | Rithani Rajyasree V |
| Sprint-2 |  | USN-15 | Save The Model | 2 | Medium | Sridharsni  Sreya S |
| Sprint-2 |  | USN-16 | Test The Model | 3 | High | Sridharsni S |
| Sprint-3 | Application Building | USN-17 | Create An HTML File | 4 | Medium | Sruthi V N |
| Sprint-3 |  | USN-18 | Build Python Code | 4 | High | Rithani Rajyasree V |
| Sprint-3 |  | USN-19 | Creating our Flask application and loading our model by using load\_model method | 4 | Medium | Sreya S |
| Sprint-3 |  | USN-20 | Routing to HTML page | 4 | High | Sruthi V N |
| Sprint-3 |  | USN-21 | Run the application | 2 | Medium | Sreya S  Sruthi V N  Sridharsni S |
| Sprint-4 | Train The Model On IBM | USN-21 | Register For IBM Cloud | 4 | Medium | Sruthi V N |
| Sprint-4 |  | USN-22 | Train The ML Model On IBM | 8 | High | Rithani Rajyasree V |
| Sprint-4 |  | USN-23 | Integrate Flask with Scoring End Point | 8 | High | Sridharsni S |

**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-1 | 20 | 6 Days | 2 Nov 2022 | 2 Nov 2022 | 20 | 06 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 08 Nov 2022 | 09 Nov 2022 | 20 | 10 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 11 Nov 2022 | 12 Nov 2022 | 20 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 17 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)



