**Initial Project Planning Template**

| Date | 15 March 2024 |
| --- | --- |
| Team ID | SWTID1720082030 |
| Project Name | Hydration Essentials: Classifying Water Bottle |
| 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)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Data Collection and Preprocessing |  | Download the dataset |  |  |  |  |  |
|  | Image Preprocessing |  | Import the ImageDataGenerator Library |  |  |  |  |  |
|  | Image Preprocessing |  | Configure ImageDataGenerator Class |  |  |  |  |  |
|  | Image Preprocessing |  | Apply ImageDataGenerator Functionality To Trainset And Testset |  |  |  |  |  |
|  | Model Building |  | Import the model Buliding Libraries |  |  |  |  |  |
|  | Model Building |  | Initializing the model |  |  |  |  |  |
|  | Model Building |  | Adding CNN Layers |  |  |  |  |  |
|  | Model Building |  | Adding Dense Layers |  |  |  |  |  |
|  | Model Building |  | Train the model |  |  |  |  |  |
|  | Model Building |  | Save the Model |  |  |  |  |  |
|  | Model Building |  | Test the Model |  |  |  |  |  |
|  | Application Building |  | Create HTML pages |  |  |  |  |  |
|  | Application Building |  | Build Flask Code |  |  |  |  |  |