**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

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| --- | --- |
| Date | 23 November 2022 |
| Team ID | PNT2022TMID43214 |
| Project Name | AI-poweredNutritionAnalyzerforFitness Enthusiasts |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **FunctionalRequirement(Epic)** | **UserStoryNumber** | **UserStory/Task** | **StoryPoints** | **Priority** | **TeamMembers** |
| Sprint-1 | **Data Collection &ImageProcessing** | | | | | |
| Sprint-1 |  | USN-1 | Collect images of different food items organized intosubdirectoriesbasedontheirrespectivenames | 3 | Medium | Dharshith |
| Sprint-1 |  | USN-2 | Import and configure the Image data generator libraryfrom Keras | 3 | Medium | Kishore |
| Sprint-1 |  | USN-3 | Apply Image data generator functionality to training setand testingset | 5 | High | VimalRaj |
| Sprint-1 |  | USN-4 | Improving the image data that suppresses unwillingdistortions or enhances some image features importantforfurtherprocessing | 3 | Medium | Akhil |

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| **Sprint** | **FunctionalRequirement(Epic)** | **UserStoryNumber** | **UserStory/Task** | **StoryPoints** | **Priority** | **TeamMembers** |
| Sprint-2 | **ModelBuilding&Testing** | | | | | |
| Sprint-2 |  | USN-5 | ImportingthemodelbuildinglibrariesandInitializingthemodel | 5 | High | Dharshith |
| Sprint-2 |  | USN-6 | AddingCNNlayers,Denselayers &othernecessarylayers andCompilethe model | 5 | High | Akhil |
| Sprint-2 |  | USN-7 | Train&Testthemodelbasedontheimagedataset | 3 | Medium | VimalRaj |
| Sprint-3 | **Applicationbuilding** | | | | | |
| Sprint-3 |  | USN-8 | Create HTML pages to design the front-end part ofthewebpage | 5 | High | Dharshith |
| Sprint-3 |  | USN-9 | Create the flask application and loading themodelfile | 5 | High | Kishore |
| Sprint-3 |  | USN-10 | RoutingtotheHTMLpageandRunningtheapplication | 5 | High | Akhil |
| Sprint-4 | **Cloudintegration** | | | | | |
| Sprint-4 |  | USN-11 | TrainthemodelonCloud | 5 |  | VimalRaj |

# ProjectTracker,Velocity &Burndown Chart: (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total StoryPoints** | **Duration** | **SprintStartDate** | **SprintEndDate(Planned)** | **Story PointsCompleted (as onPlannedEndDate)** | **SprintReleaseDate(Actual)** |
| Sprint-1 | 20 | 6Days | 24Oct2022 | 29Oct2022 | 20 | 29Oct2022 |
| Sprint-2 | 20 | 6Days | 31Oct2022 | 05Nov2022 | 20 | 05Nov2022 |
| Sprint-3 | 20 | 6Days | 07Nov2022 | 12Nov2022 | 20 | 12Nov2022 |
| Sprint-4 | 20 | 6Days | 14Nov2022 | 19Nov2022 | 20 | 19Nov2022 |
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**Velocity:**

