**Project planning phase**

**Project planning Template (product Backlog, sprint planning, stories, story points)**

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| --- | --- |
| Date | 17.11.2022 |
| Team id | PNT2022TMID46328 |
| Project name | Estimate the crop yield using data analytics |
| Maximum marks | 8 Marks |

**Product Backing ,Sprint Schedule ,and Estimate(4 Marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Function Requirement(Epic)** | **User story Number** | **User story/Task** | **Story points** | **priority** | **Team member** |
| Sprint-1 | Registration | 1 | As a user ,I can register for by entering my cropyeild –id card and request. | 2 | High | Abinaya |
|  |  | 2 | As a user,I can register for the application through G mail | 2 | Low | veeramani |
|  | Log in | 3 | A a user ,I can call and request or approach for dataset | 2 | High | Vinothini |
|  | Working with the dataset | 4 | To work on the given dataset.Understand the dataset | 2 | High | ManiKiruba |
|  |  | 5 | Load the dataset to cloud platform then build the requirements Visualizations. | 10 | High | Abinaya |
| Sprint-2 | Data Visualization Chart | 6 | Using the crop production in indian dataset ,create various graphs and charts to highlight the insights and visualizations. Builds visualization to showcase average crop production by | 4 | High | Abinaya |
|  |  |  | Build a visualization to showcase top 10 states in crop yields production by area | 4 | low | vinothini |
|  |  |  | Build the required visualization to showcase the crop production by state | 4 | Medium | Manikiruba |
|  |  |  | Build visualization analytics to represent the states with seasonal crop production using a Text representation | 4 | Low | Manikiruba |
| Sprint-3 | Creating the dashboard | 7 | Create the dashboard by using the created visualizations. | 20 | High | Manikiruba |
| Sprint-4 | Export the analytics | 8 | Export the created dashboard | 20 | High | Veeramani |

**Project Tracking ,Velocity & Burndown chart: (4 Marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total story pointer** | **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 | 24 oct 2022 | 29 oct 2022 | 20 | 29 oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6Days | 7 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 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)



