**Project Planning Phase**

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

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| --- | --- |
| Date | 12-11-2022 |
| Team ID | PNT2022TMID24269 |
| Project Name | Estimate the crop yield using Data Analytics |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for My Web Page by entering my email, password, and confirming my password. | 2 | High | mukhendra |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the Web page. | 1 | Medium | Suman |
| Sprint-1 | Login | USN-3 | As a user, I can log into the My Web Page by entering email & password | 2 | High | rammohanvarma |
| Sprint-2 | IBM Cognos Analysis Registration | USN-4 | AS a user ,Click on Registration Link by entering my email and Password in IBM Registration page. | 1 | Low | manoj |
| Sprint-2 |  | USN-5 | In Below IBM Registration page , I have created a Jupyter Notebook Button. | 1 | Low | suman |
| Sprint-2 | Uploading Dataset | USN-6 | After Completed the Registration Process, You will Upload your Dataset in Cognos Analysis. | 2 | High | mukhendra |
| Sprint-2 | Data Exploration | USN-7 | Explore the Dataset which is uploaded in the IBM Cognos Analysis. | 1 | High | rammohanvarma |
| Sprint-3 | Visualization Chart | USN-8 | Creating the Data Visualization Chart. | 2 | Medium | manoj |

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| --- | --- | --- | --- | --- | --- | --- |
| Sprint-3 | Dashboard | USN-9 | In IBM Cognos Registration Page , You have to click Jupyter Notebook Button. | 1 | Low | suman |
| Sprint-4 | Dashboard  Visualization Chart | USN-10 | Creating a Dashboard By using Python code in Jupyter Notebook | 2 | High | rammohanvarma |
| Sprint-4 | Export the Analytics | USN-11 | Export the Dashboard and Submit on Github. | 2 | Medium | mukhendra |
| Sprint-4 | Report | USN-12 | Create the Project Report and submit. | 2 | High | manoj |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 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 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
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**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)



**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/) [**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software) [**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics) [**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints) [**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)