**Project Planning Phase**

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID18478 |
| Project Name | Crude Oil Price Prediction |
| 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 the application by entering my email, password, and confirming my password. | 10 | High | Rahul RM |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 10 | High | Prince Patrick |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 15 | High | Ragul Kannan S |
| Sprint-2 | Input Necessary Details | USN-4 | As a user, I can give Input Details to Predict Likeliness of crude Oil | 15 | High | Rahul RM |
| Sprint-2 | Data Pre- Processing | USN-5 | Transform raw data into suitable format for prediction | 15 | High | Sanjith |
| Sprint-3 | Prediction of Crude Oil Price | USN-6 | As a user, I can predict Crude Oil using machine learning model. | 20 | High | Prince Patrick T |
| Sprint-3 |  | USN-7 | As a user, I can get accurate prediction of crude oil. | 5 | Medium | Ragul Kannan S |
| Sprint-4 | Review | USN-6 | As a user, I can predict value from the application | 20 | High | Rahul RM , ,Prince Patrick T, Ragul Kannan S |

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

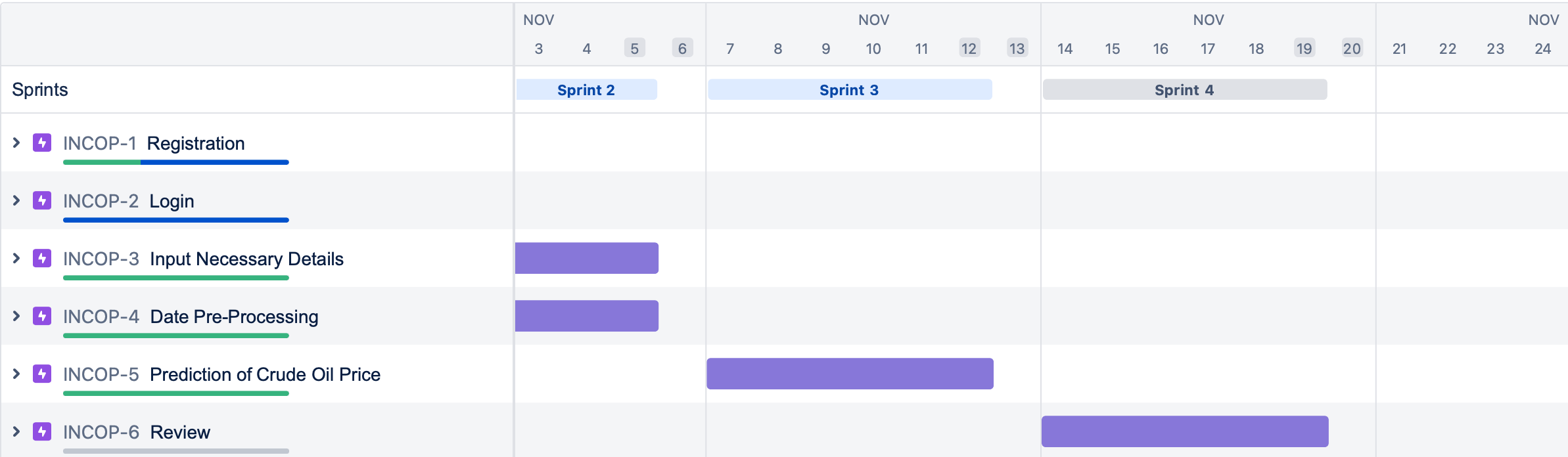
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 5 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Oct 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 17 Oct 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)



**Chart:**

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