Project Planning Phase

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID31699 |
| 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

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| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
| Sprint-1 | Registration | USN-1 | I can register for the application as a user.  by inputting my email address, password, and confirming my security code . | 10 | High | Tarun K Kumar |
| Sprint-1 |  | USN-2 | I will receive a confirmation email as a user. I signed up for the application. | 10 | High | Vasanth R |
| Sprint-1 | Login | USN-3 | As a user, I can access the application entering  my email address and password. | 15 | High | Purujit K G |
| Sprint-2 | Input Necessary Details | USN-4 | As a user, I can provide Input Details to Predict  Crude Oil Likeliness. | 15 | High | Prince P |
| Sprint-2 | Data Pre-processing | USN-5 | Transform raw data into a format suitable for prediction. | 15 | High | Raaj Visanth |
| Sprint-3 | Prediction of Crude Oil Price | USN-6 | As a user, I am able to forecast Crude oil using a machine learning model. | 20 | High | Tarun K Kumar |
| Sprint-3 |  | USN-7 | As a user, I can get an accurate crude oil  prediction. | 5 | Medium | Purujit K G |
| Sprint-4 | Review | USN-8 | As a user, I am able to provide feedback on the application. | 20 | High | Prince P |

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 | 4 Days | 31 Oct 2022 | 04 Nov 2022 | 20 |  |
| Sprint-2 | 20 | 4 Days | 05 Nov 2022 | 10 Nov 2022 |  |  |
| Sprint-3 | 20 | 4 Days | 11 Nov 2022 | 15 Nov 2022 |  |  |
| Sprint-4 | 20 | 4 Days | 16 Nov 2022 | 20 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:

