Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Story Points)

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| Date | 31 OCTOBER 2022 |
| Team ID | PNT2022TMID35585 |
| Project name | Predicting The Energy Output Of Wind  Turbine Based On Weather Conditions |

Product Backlogs, Sprint Schedule and Estimation

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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 sign up for the application as a user by providing my email address, password, and password confirmation. | 5 | High | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 1 |  | USN-2 | When I register for the application as a user, I will get a confirmation email. | 4 | High | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 1 |  | USN-3 | I can sign up for an application as a user using my phone number. | 4 | Low | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 1 |  | USN-4 | I can sign up for the application as a user using Gmail. | 3 | Medium | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 1 | Login(User) | USN-5 | I can login to the application as a user by providing my email and password. | 5 | High | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |

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| Sprint 2 | Dashboard | USN-6 | After logging in, I can access my dashboard. | 6 | Medium | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 2 | Web access | USN-7 | As a customer, I can use the website to predict the weather conditions. | 7 | High | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 2 | Prediction | USN-8 | As a customer, when I provide the weather data, the website should forecast the approximate weather conditions. | 7 | High | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 3 | Analysis | USN -9 | I want to analyze and store my predictions as a customer. | 10 | Medium | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 3 | Security | USN-10 | As a customer, I anticipate that my data will be secure | 10 | Medium | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |
| Sprint 4 | Database Access | USN- 11 | I should maintain the website as an administrator. and frequently update the website. | 20 | Low | Pranay Varma  Hemalatha M  Isha A.K. Nanda  Rochana G |

Project Tracker, Velocity & Burndown Chart:

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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 | 5 Nov 2022 | 20 | 5 Nov 2022 |
| Sprint 3 | 20 | 6 days | 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 |