PROJECT PLANNING PHASE

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

|  |  |
| --- | --- |
| Date | 09 November 2022 |
| Team ID | PNT2022TMID12567 |
| Project Name | Predicting the energy output of wind turbine based on weather condtions |
| Maximum Marks | 8 Marks |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration(Dataset creation) | USN-1 | As a user, I can register for the application by entering my email, password, and confirming  my password. | 5 | High | Kirutheeka M |
| Sprint-1 | Pre processing | USN-3 | As a user, I can register for the application By choosing google account as well. | 5 | Medium | Kirutheeka M |
| Sprint-1 | Login | USN-4 | As a user, I can login into the application by entering email & password | 5 | High | Kirutheeka M |
| Sprint-2 | Model Building | USN-5 | As a user, I can choose to predict the condition of weather | 10 | High | Gokul V |
| Sprint-2 | Application Building | USN - 11 | Administrator designing the user interface | 10 | Medium | Gokul V |
| Sprint-3 |  | USN-6 | As a user I can go through the feed of data filtered according to my weather condition | 10 | High | Dharshini P |
| Sprint-3 |  | USN-7 | As a user, I can logout my account in settings. | 10 | Medium | Dharshini P |
| Sprint-4 | Training Model | USN-8 | As a user, I can update my interest and choice in account settings. | 10 | Medium | Sethumathavan A |
| Sprint-4 | Querys | USN-9 | Solve issues brought up by client | 5 | Medium | Sethumathavan A |
| Sprint-4 |  | USN-10 | Roll out updates and bug fixes | 5 | High | Sethumathavan A |

# 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 | 3 Days | 30 Oct 2022 | 01 Nov 2022 | 20 | 01 Nov 2022 |
| Sprint-2 | 20 | 3 Days | 02 Oct 2022 | 04 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 4 Days | 05 Nov 2022 | 08 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 5 Days | 09 Nov 2022 | 13 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity :**

Imagine we have 10 – days 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 methodologies such as Serum. However, burn down charts can be applied to any project containing measurable progress over time.