**Project Planning Phase**

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| DATE | 15 November 2022 |
| TEAM ID | PNT2022TMID45948 |
| PROJECT NAME | Predicting the energy output of wind turbine based on weather condition |
| MARK | 8 mark |

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

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| Sprint | Functional  Requirement | User Story  Number | User Story/Task | Story Point | Priority | Team Members |
| Sprint-1 | Building Model-1 | USN-1 | As a use l can request for the wind direction,  Wind speed | 5 | High | S . Thamizharasi  k. kaviya |
| Sprint-1 |  | USN-2 | As a use l can request for the speed of the wind | 5 | High | S . Thamizharasi  k. kaviya  A.Kaviya  A. Vanaja |
| Sprint-1 |  | USN-3 | As a use l can request for the direction of the wind | 2 | Low | All members |
| Sprint-2 | Building Model-2 | USN-4 | As a use l can find the speed of the wind | 3 | Medium | All members |
| Sprint-2 |  | USN-5 | As a use l can find the direction of the wind | 5 | High | All members |

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| Sprint | Functional  Requirement | User Story  Number | User Story/Task | Story Point | Priority | Team Members |
| Sprint-2 |  | USN-6 | Once I have find the wind direction ,I can use this information to getting high energy output | 6 | Medium | All members |
| Sprint-2 |  | USN-7 | If I get the current wind speed , I can predict the energy output | 7 | High | All members |
| Sprint-3 | Building UI | USN-8 | As a customer when I enter the weather details the website should predict the approximate | 20 | High | All members |
| Sprint-3 |  | USN-9 | As a customer I can access the website to predict the turbine energy output | 20 | Medium | All members |
| Sprint-4 | Hosting, Storage&Deployment | USN-10 | As a customer I wish to store my predictions and make analyses | 10 | Low | All members |
| Sprint-4 |  | USN-11 | As an administrator I should maintain the website and update the website regularly | 10 | Low | All members |