**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

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| --- | --- |
| Date | 30October 2022 |
| Team ID | PNT2022TMID12853 |
| Project Name | Predicting the energy output of wind turbine based on weather condition |
| 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. | 2 | High | Antony Surya,Gayathri  ,Venkataprasath,Venkata Subramaniyan |
| Sprint-1 | Data collection and pre-processing | USN-2 | Need to collect dataset for analysing and need to pre-process the data | 1 | High | Antony Surya,Gayathri  ,Venkataprasath,Venkata Subramaniyan |
| Sprint-2 | Model Building | USN-3 | We need to train the dataset and build model | 2 | High | Antony Surya,Gayathri  ,Venkataprasath,Venkata Subramaniyan |
| Sprint-3 | Application Building | USN-4 | We need to create a flask app with user interface built using HTML page | 2 | Medium | Antony Surya,Gayathri  ,Venkataprasath,Venkata Subramaniyan |
| Sprint-4 | Train the Model on IBM Cloud | USN-5 | We need to train the model on IBM Cloud.At the end we should have a application that is able to predict the wind energy if we specify a city | 1 | High | Antony Surya,Gayathri  ,Venkataprasath,Venkata Subramaniyan |

**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 | 31 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 01 Nov 2022 | 09Nov 2022 | 20 | 09 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 10Nov 2022 | 13 Nov 2022 | 20 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |