**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 19th November 2022 |
| Team ID | PNT2022TMID36289 |
| Project Name | Fertilizers Recommendation system for disease prediction |
| 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 | | Data Collection | | USN-1 | | Collecting dataset for pre-processing | | 10 | | High | | Kola Sairam  Kola Hyndavi  Peram Supraja  G.Sucharitha | |
| Sprint- 1 | |  | | USN-2 | | Data pre-processing- Used to transform the data into useful format. | | 10 | | Medium | | Kola Sairam  Kola Hyndavi  Peram Supraja  G.Sucharitha | |
| Sprint- 2 | | Model Building | | USN-3 | | Model building for fruit and vegetable disease prediction | | 10 | | High | | Kola Sairam  Kola Hyndavi  Peram Supraja  G.Sucharitha | |
| Sprint- 2 | |  | | USN-4 | | Splitting the data into training and testing from the entire dataset. | | 10 | | Medium | | Kola Sairam  Kola Hyndavi  Peram Supraja  G.Sucharitha | |
|  |  | |  | |  | |  | |  | |  | |
| Sprint- 3 | Training and Testing | | USN-5 | | Training the model and testing the performance of the model | | 20 | | Medium | | Kola Sairam  Kola Hyndavi  Peram Supraja  G.Sucharitha | |
| Sprint- 4 | Implementatio n of Web page | | USN-6 | | Implementing the web page for collecting the data from user | | 10 | | High | | Kola Sairam  Kola Hyndavi  Peram Supraja  G.Sucharitha | |
| Sprint- 4 |  | | USN-6 | | Deploying the model using IBM Cloud and IBM  Watson Studio | | 10 | | Medium | | Kola Sairam  Kola Hyndavi  Peram Supraja  G.Sucharitha | |

**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 | 29 Oct 2022 | 20 | 03 NOV 2022 |
| Sprint- 2 | 20 | 6 Days | 31 Oct  2022 | 05 Nov 2022 |  |  |
| Sprint- 3 | 20 | 6 Days | 07 Nov  2022 | 12 Nov 2022 |  |  |
| Sprint- 4 | 20 | 6 Days | 14 Nov  2022 | 19 Nov 2022 |  |  |

**Velocity:**

Sprint 1 Average Velocity: Average Velocity = 20/2 = 10

Sprint 2 Average Velocity: Average Velocity = 20/2 = 10

Sprint 3 Average Velocity: Average Velocity = 20/1 = 20

Sprint 4 Average Velocity: Average Velocity = 20/2 = 10

**Burndown Chart:**

