Project Planning Phase

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

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| --- | --- |
| **Date** | **21 October 2022** |
| **Team ID** | **PNT2022TMID21298** |
| **Project name** | **Natural Disaster Intensity analysis and classification using artificial intelligence** |

**Product Backlog, Sprint Schedule, and Estimation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic**) | **User story / Task** | **Story points** | **Priority** | **Team members** |
| Sprint-1 | Registration | As a user, Registering into the product using a  valid email address | 5 | High | Srinath V |
| Sprint-2 | Registration | As a user, Registering into the product using a  valid username and password | 3 | Medium | Jai Niresh J |
| Sprint-1 | Authentication | As a user , I adept to logging into the system  with credentials | 4 | High | Srinath V |
| Sprint-2 | Authentication | As a user , I adept to logging into the system with OTP | 2 | High | Jai Niresh |
| Sprint-1 | Designation of Region | selecting the region of interest to be monitored and  analysed | 3 | High | Rishi Balaji S  Srinath V |
| Sprint-2 | Analysis of Required Phenomenon | Regulating certain factors influencing the actions of the phenomenon | 3 | High | Rohit Balaji M |
| Sprint-2 | Accumulation of required Data | Gathering data and detailed report on past event analysis | 4 | Medium | Rishi Balaji S    Jai Niresh J |
| Sprint-4 | Organizing Unstructured data | Organizing and reorienting the raw data into a refined data | 3 | Low | Srinath V  Rohit Balaji M |
| Sprint-2 | Algorithm selection | Choosing a required algorithm for specific analysis | 2 | High | Srinath V  Rishi Balaji S  Rohit Balaji M |
| Sprint-3 | Prediction and analysis of data | Predicting and visualizing the data effectively | 6 | High | Rohit Balaji M  Rishi Balaji S  Srinath V  Jai Niresh J |
| Sprint-4 | Report generation | Generating a clear and detailed report on product data analysis | 3 | High | Jai Niresh J  Rishi Balaji S |

**Project Tracker, Velocity & Burndown Chart:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 12 | 6 days | 24 Oct 2022 | 29 Oct 2022 | 12 | 30 Oct 2022 |
| Sprint-2 | 14 | 6 days | 31 Oct 2022 | 5 Nov 2022 | 14 | 6 Nov 2022 |
| Sprint-3 | 6 | 6 days | 07 Nov 2022 | 12 Nov 2022 | 6 | 8 Nov 2022 |
| Sprint-4 | 6 | 6 days | 14 Nov 2022 | 19 Nov 2022 | 6 | 20 Nov 2022 |

# Velocity:

**Sprint - 1**

Average Velocity = Sprint duration / Velocity

# = 12 / 6

**= 2**

**Sprint - 2**

Average Velocity = Sprint duration / Velocity

= 14 / 6

= 2.3

**Sprint - 3**

Average Velocity = Sprint duration / Velocity

= 6 / 6

= 1

**Sprint - 4**

Average Velocity = Sprint duration / Velocity

= 6 / 6

= 1