Project Planning Phase

Project Planning

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

|  |  |
| --- | --- |
| **Date** | **9 November 2022** |
| **Team ID** | **PNT2022TMID22670** |
| **Project name** | **Natural Disaster Intensity analysis and classification using artificial intelligence** |
| **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 | USN – 1 | As a user, Registering into the product using a valid email address | 5 | High | JAYASHREE S  KEERTHANA S J |
| Sprint-2 | Registration | USN – 2 | As a user, Registering into the product using a valid username and  password | 3 | Medium | IMAAM JAFAR SADIQ A |
| Sprint-1 | Authentication | USN – 3 | As a user, I adept to  logging into the system with credentials | 4 | High | GURUDEVA T |
| Sprint-2 | Authentication | USN - 4 | As a user, I adept to  logging into the system with OTP | 2 | High | JAYASHREE S |
| Sprint-1 | Designation of Region | USN – 5 | selecting the region of interest to be  monitored and analysed | 3 | High | KEERTHANA S J  GURUDEVA T |
| Sprint-2 | Analysis of Required Phenomenon | USN – 6 | Regulating certain factors influencing the actions of the  phenomenon | 3 | High | IMAAM JAFAR SADIQ A |
| Sprint-2 | Accumulation of required Data | USN – 7 | Gathering data and detailed report on past event analysis | 4 | Medium | GURUDEVA T  IMAAM JAFAR SADIQ A |
| Sprint-4 | Organizing Unstructured data | USN – 8 | Organizing and reorienting the raw data into a refined data | 3 | Low | JAYASHREE S  IMAAM JAFAR SADIQ A |
| Sprint-2 | Algorithm selection | USN – 9 | Choosing a required algorithm for specific analysis | 2 | High | KEERTHANA S J  JAYASHREE S |
| Sprint-3 | Prediction and analysis of data | USN – 10 | Predicting and visualizing the data effectively | 6 | High | KEERTHANA S J  JAYASHREE S  GURUDEVA T  IMAAM JAFAR SADIQ A |
| Sprint-4 | Report generation | USN – 11 | Generating a clear and detailed report on product data analysis | 3 | High | GURUDEVA T  KEERTHANA S J |

**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 | 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 | 19 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