**Project Planning Phase**

|  |  |
| --- | --- |
| Date | 18 November 2022 |
| Team ID | PNT2022TMID47137 |
| Project Name | Project - Natural Disasters Intensity Analysis and Classification using Artificial Intelligence |
| Maximum Marks | 8 Marks |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requireme**  **nt (Epic**) | **User story Number** | **User story / Task** | **Story point s** | **Priority** | **Team members** |
| Sprint1 | Registration | USN – 1 | As a user,  Registering into the product using a valid email address | 5 | High | Swathi K |
| Sprint2 | Registration | USN – 2 | As a user,  Registering into the product using a valid username and password | 3 | Medium | Ishwarya S |
| Sprint1 | Authentication | USN – 3 | As a user , I adept to  logging into the system with credentials | 4 | High | Shafrin sameema S |
| Sprint2 | Authentication | USN - 4 | As a user , I adept to logging into the system with OTP | 2 | High | Monisha devi T |
| Sprint1 | Designation of Region | USN – 5 | selecting the region of interest to be monitored and analysed | 3 | High | Shafrin sameema S |
| Sprint2 | Analysis of  Required Phenomeno  n | USN – 6 | Regulating certain factors influencing  the actions of the  phenomenon | 3 | High | Monisha devi T |
| Sprint2 | Accumulation  of required Data | USN – 7 | Gathering data and detailed report on past event analysis | 4 | Medium | Swathi K  Ishwarya S |
| Sprint4 | Organizing Unstructure d data | USN – 8 | Organizing and reorienting the raw data into a refined data | 3 | Low | Ishwarya S |
| Sprint2 | Algorith m  selection | USN – 9 | Choosing a required algorithm for specific analysis | 2 | High | Ishwarya S  Shafrin sameema S  Monisha devi T  Swathi K |
| Sprint3 | Prediction and analysis of data | USN – 10 | Predicting and visualizing the data effectively | 6 | High | Monisha devi T |
| Sprint4 | Report generatio n | USN – 11 | Generating a clear and detailed report on product data analysis | 3 | High | Swathi K Ishwarya S |

**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 | 20 Nov 2022 |

[Velocity: Sprint 1](#_Toc11398)

[Average Velocity = Sprint duration / Velocity = 12 / 6](#_Toc11399)

[= 2](#_Toc11400)

[Sprint 2](#_Toc11401)

[Average Velocity = Sprint duration / Velocity = 14 / 6](#_Toc11402)

[= 2 3](#_Toc11403)

**Sprint - 3**

### Average Velocity = Sprint duration / Velocity

**= 6 / 6**

##### = 1

## Sprint - 4

#### Average Velocity = Sprint duration / Velocity

**= 6 / 6**

###### = 1