# Project Planning Phase

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID16376 |
| Project Name | Project - Natural Disasters Intensity Analysis and Classification using Artificial Intelligence |
| Maximum Marks | 8 Marks |

# Product Backlog, Sprint Schedule, and Estimation

| 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 | Vinisha V |
| Sprint-2 | Registration | USN – 2 | As a user, Registering into the product using a valid username andpassword | 3 | Medium | Mahalakshmi G |
| Sprint-1 | Authentication | USN – 3 | As a user , I adept to logging into the system with credentials | 4 | High | Akshara R |
| Sprint-2 | Authentication | USN - 4 | As a user , I adept to logging into the systemwith OTP | 2 | High | Mahalakshmi G |
| Sprint-1 | Designation of Region | USN – 5 | selecting the region ofinterest to be monitored and analysed | 3 | High | Kalaivani G |
| Sprint-2 | Analysis of Required Phenomenon | USN – 6 | Regulating certain factors influencing theactions of the phenomenon | 3 | High | Vinisha V |
| Sprint-2 | Accumulation ofrequired Data | USN – 7 | Gathering data and detailed report on pastevent analysis | 4 | Medium | Akshara R |
| Sprint-4 | Organizing Unstructureddata | USN – 8 | Organizing and reorienting the raw data into a refined data | 3 | Low | Akshara R |
| Sprint-2 | Algorithm selection | USN – 9 | Choosing a required algorithm for specificanalysis | 2 | High | Mahalakshmi G Kalaivani G Vinisha V Akshara R |

| Sprint-3 | Prediction and analysis of data | USN – 10 | Predicting and visualizing the data effectively | 6 | High | Mahalakshmi G Kalaivani G Vinisha V Akshara R |
|---|---|---|---|---|---|---|
| Sprint-4 | Report generatio n | USN – 11 | Generating a clear and detailed report on product data analysis | 3 | High | Kalaivani G Vinisha V |

## 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

**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**