Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 23 November 2022 |
| Team ID | PNT2022TMID49008 |
| Project Name | Natural Disaster Intensity Analysis and classification using artificial intelligence |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)** Use the below template to create product backlog and sprint schedule

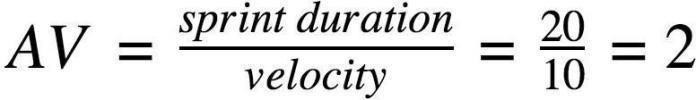
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | R.DIVYA DHARSHINI  R.SAKTHI SNEKA  R.ALAGU VIDHYA  P.PRIYA DHARSHINI |
| Sprint-2 | login | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | R.DIVYA DHARSHINI  R.SAKTHI SNEKA  R.ALAGU VIDHYA  P.PRIYA DHARSHINI |
| Sprint-3 | Customer service | USN-3 | As a user, I can register for the application through Facebook | 2 | High | R.DIVYA DHARSHINI  R.SAKTHI SNEKA  R.ALAGU VIDHYA  P.PRIYA DHARSHINI |
| Sprint-4 | dashboard | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | R.DIVYA DHARSHINI  R.SAKTH SNEKA  R.ALAGU VIDHYA  P.PRIYA DHARSHINI |

# Project Tracker, Velocity & Burn down 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 | 8 | 6 Days | 16 Oct 2022 | 20 Oct 2022 | 8 | 29 Oct 2022 |
| Sprint-2 | 4 | 6 Days | 20 Oct 2022 | 25 Oct 2022 | 4 | 05 Nov 2022 |
| Sprint-3 | 6 | 6 Days | 26 Oct 2022 | 3 Nov 2022 | 6 | 12 Nov 2022 |
| Sprint-4 | 2 | 6 Days | 5 Nov 2022 | 13 Nov 2022 | 2 | 19 Nov 2022 |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)



AV (Sprint 1) = 8/6 = 1 AV (Sprint 2) = 4/6 = 1

AV (Sprint 3) = 6/6 = 1

AV (Sprint 4) = 2/6 = 1

AV (Total ) = 20/24 = 1 (appx., 1 sprint to be completed per day)

# Burn down Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development met](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)hodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

