**Project Planning Phase**

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

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| --- | --- |
| **Date** | **18 October 2022** |
| **Team ID** | **PNT2022TMID18733** |
| **Project Name** | **Natural disaster intensity analysis and classification using AI Solution** |
| **Maximum Marks** | **8 Marks** |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a user, I Collecting data from trusted sources, in addition to collecting analysis. | 2 | High | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |
| Sprint-1 |  | USN-2 | As a user, I Filtering of demographic information, as well as filtering of countries ,  region, state ,or province with cases of disaster | 1 | High | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |
| Sprint-2 |  | USN-3 | As a user, I Counting, globally or from a specific location ,of confirmed cases, Recovered and deaths by Disaster | 2 | Low | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through maps | 2 | Medium | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering geographic panel | 1 | High | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |
| Sprint-2 | Dashboard | USN-6 | As a user, I Display of maps, histograms, or an interactive geographic panel | 1 | High | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |

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| Sprint-2 | Importing and Exporting data | USN-7 | As a user, I Exporting results, data, or information in CSV or JSON format, as well as importing data from CSV files | 3 | High | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |
| Sprint-3 | Show orientation | USN-8 | As a user, I Displaying Disaster prevention tips, a page with information on how to protect itself , travel tips, | 4 | Low | 1.E.Anilraj  2.L.Mahanth  3.M.munivardhan  4.M.Veera Bhaskar |

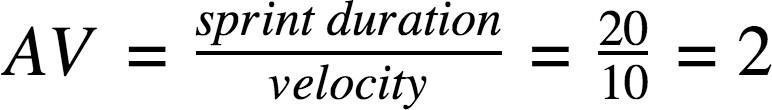
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
|  |  |  | emergency contacts ,link toweb sites with import an information about the AI |  |  |  |
| Sprint-4 | Data update | USN-9 | As a user I Updating information, spreadsheets, list of recovered patients, news page, and daily statistics | 3 | Medium | 4 |
| Sprint-4 | Responsiveness | USN-10 | As a user I , Terms of supporting the phases of disaster management, it was observed that the repositories focused only on the response phase. | 4 | High | 4 |
| Sprint-2 | Risk Management | USB-11 | As a user I, Raise risk culture and awareness and avoid any risk situations by eliminating risky practices | 5 | High | 4 |
| Sprint-2 | Communication Management | USB-12 | As a user I , Timely involvement of the community and sharing ideas , hands-on experiences | 4 | High | 4 |
| Sprint-3 | Time, Cost, Scope and Quality | USB-13 | As a user I, Keep the balance of these project variables , taking into account that in emergency situation priorities shift lot from normal everyday project. | 4 | Low | 4 |
| Sprint-4 | Project Integration management | USB-14 | As a user I , Coordinate and integrate several alternative initiatives . | 6 | Medium | 4 |

**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 | 20 | 6 Days | 28 Oct 2022 | 02 Nov 2022 | 20 | 02 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 02 Nov 2022 | 07 Nov 2022 | 30 | 08 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 08 Nov 2022 | 13 Nov 2022 | 35 | 14 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 15 Nov 2022 | 20 Nov 2022 | 15 | 21 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)



**Burndown Chart:**

**A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software**

**development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.**

