

## Project Planning Phase

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

<b>Date</b>	<b>18 October 2022</b>
<b>Team ID</b>	<b>PNT2022TMID13948</b>
<b>Project Name</b>	<b>Natural disaster intensity analysis and classification using AI Solution</b>
<b>Maximum Marks</b>	<b>8 Marks</b>

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

Use the below template to create product backlog and sprint schedule

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Registration	USN-1	As a user, I Collecting data from trusted sources, in addition to collecting analysis.	2	High	4
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	4
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	4
Sprint-1		USN-4	As a user, I can register for the application through maps	2	Medium	4
Sprint-1	Login	USN-5	As a user, I can log into the application by entering geographic panel	1	High	4
Sprint-2	Dashboard	USN-6	As a user, I Display of maps, histograms, or an interactive geographic panel	1	High	4
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	4
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	4

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			emergency contacts ,link to web 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	24 Oct 2022	29 Oct 2022	20	28 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	30	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	35	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	15	17 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

#### 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.

