Project Planning Phase

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

Date	**14 November 2022**
Team ID	**PNT2022TMID47258**
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

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	Balaji M SanjayVikram M BalaSubramaniam Govindharaj Nagarathinam M
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	Balaji M SanjayVikram M BalaSubramaniam Govindharaj Nagarathinam M
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	Balaji M SanjayVikram M BalaSubramaniam Govindharaj

Sprint-1		USN-4	As a user, I can register for the application through maps	2	Medium	Balaji M SanjayVikram M
Sprint-1	Login	USN-5	As a user, I can log into the application by entering geographic panel	1	High	BalaSubramaniam Govindharaj Nagarathinam M
Sprint-2	Dashboard	USN-6	As a user, I Display of maps, histograms, or an interactive geographic panel	1	High	SanjayVikram M BalaSubramaniam Govindharaj
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	Balaji M SanjayVikram M BalaSubramaniam Govindharaj Nagarathinam M
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	Nagarathinam M SanjayVikram M
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	BalaSubramaniam Govindharaj Balaji M
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	Balaji M SanjayVikram M BalaSubramaniam Govindharaj Nagarathinam M
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	Balaji M SanjayVikram M BalaSubramaniam Govindharaj Nagarathinam M
Sprint-2	Communication Management	USB-12	As a user I , Timely involvement of the community and sharing ideas , hands-on experiences	4	High	Balaji M SanjayVikram M BalaSubramaniam Govindharaj
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	SanjayVikram M BalaSubramaniam Govindharaj Nagarathinam
Sprint-4	Project Integration management	USB-14	As a user I , Coordinate and integrate several alternative initiatives .	6	Medium	Balaji M SanjayVikram M BalaSubramaniam Govindharaj Nagarathinam M

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)

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

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.