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

Date	18 October 2022
Team ID	PNT2022TMID05182
Project Name	Containment Zone Alerting Application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	User: I can register for the application by entering my email, password and verifying password.	3	High	Gajhana Selvi
		USN-2	User: I will receive a confirmation email once I have registered for the application.	2	High	Darshikka
		USN-3	User: I can register for the application through Gmail.	5	Medium	Dharshana
		USN-4	Management: I need to register my hospitals on the site.	2	High	Dharani
		USN-5	User: I can log into the application by entering my email & password	3	High	Gajhana Selvi

| | Login | USN-6 | Management: I need to login into my dashboard with my given hospital id and password. | 5 | Medium | Darshikka |
| | Dashboard | USN-7 | User: I need to give permission to access my Contacts, Location, and Storage | 5 | High | Dharshana |

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-8	User: I get access to the dashboard which shows a map with containment zones	5	High	Dharani
		USN-9	Management: I need to enter the case information of the patient that visits our hospital.	5	High	Gajhana Selvi
	Services	USN-10	Admin: I need to provide valid information about the pandemic out there.	5	High	Darshikka
Sprint-3	Dashboard	USN-11	Management: I need to store all the patient information on the cloud.	5	High	Dharshana
	Services	USN-12	Admin: I need to provide medical advice through a chatbot.	5	Medium	Dharani
		USN-13	Admin: I need to provide medical recommendations by collaborating with top hospitals.	5	Low	Gajhana Selvi
		USN-14	Admin: I need to provide preventive measures when they travel through it.	5	High	Darshikka
	Registration	USN-15	User: I can register for the application through Facebook.	2	Low	Dharshana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-16	User: I can register for the application through Twitter.	2	Low	Dharani
	Services	USN-17	Admin: I need to alert the user when they enter pandemic zones.	3	Medium	Gajhana Selvi
		USN-18	Admin: I need to provide special services for premium users by giving services like monitoring health by theirsmart bands.	3	Low	Darshikka
	Data Collection	USN-19	Admin: I need to store all the user information on the cloud	5	Medium	Dharshana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-20	Admin: I need to collect the recent list of diseases in the world.	5	Low	Dharani

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022

Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

It will be updated after the first week of work is completed.

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.

	Initial Estimate	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
Sprint number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0
Sprint-4	20	3	3	3	3	3	5
Remaining effort	80	70	42	25	13	8	0

ideal effort		80	66.66666667	53.33333333	40	26.66666667	13.33333333	0

BurntDown Chart

Legend: remaining effort, ideal effort