

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

Date	22 October 2022
Team ID	PNT2022TMID14228
Project Name	VirtualEye - Life Guard For Swimming Pools To Detect Active Drowning
Maximum Marks	8marks

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 (Farmer Mobile User)	USN-1	Registering for an application as a user we can register by entering our email, password and again we need to confirm the password	3	High	Deepika MM
Sprint-1	Login	USN-2	If we have registered for the application as a user a confirmation mail will be received to our mail	3	High	Devaki P

Sprint-2	User Interface	USN-3	Using Facebook we can register for the application	3	Low	Deepika MM
Sprint-1	Data Visualization	USN-4	We can also register for the application through email	3	Medium	Anuvamsha SA
Sprint-3	Registration (Farmer -Web User)	USN-1	By entering mail and password we can log into the application as a user	3	High	Devaki P
Sprint-2	Login	USN-2	Using minimum time we need to login to our registered account via web page	3	High	Devaki P
Sprint-4	Web UI	USN-3	We all will need a friendly interface to view and access the resources easily	3	Medium	Anuvamsha SA
Sprint-1	Registration (Chemical Manufacturer - Web user)	USN-1	If we are a new user we need to first register using our organization mail and need to create a strong password for our account	4	High	Elakkiya S
Sprint-4	Login	USN-2	We need to easily login to our account as a registered user through web page	3	High	Elakkiya S
Sprint-3	Web UI	USN-3	To easily view and access the resources we need a user friendly interface	3	Medium	Deepika MM

Sprint-1	Registration (Chemical Manufacturer - Web user)	USN-1	As a user, we want to first register using my email and create a password for the account.	4	High	Anuvamsha SA
Sprint-1	Login	USN-2	As a registered user, we need to easily log in to the application.	3	Low	Deepika MM

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	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:

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.

