

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID47734
Project Name	Project - Project - VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
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	Index	USN-1	As a user, I can view the home page of the document which gives me the information of the application	2	Low	Brightlin Prasannakumar i Devaraj
Sprint-1	Registration	USN-2	As a user, I can register into the application using my email id and newly created password	2	Low	S.Abinaya
Sprint-1	Login	USN-3	As a user I can login into my existing account by giving my credentials	2	Low	M.Prathisaha
Sprint-3	Detection	USN-4	As a user I can detect if some one is drowning or not	5	High	Mohamed Anash.S
Sprint-3	Alarm	USN-5	As a user I can hear the sound of the alarm which indicates someone is drowning	2	Low	Brightlin Prasannakumar i Devaraj
Sprint-2	Prediction	USN-6	As a user I can save the person from drowning by taking swift action regarding the matter	3	Medium	S.Abinaya
Sprint-2	Logout	USN-7	As a user I can logout from the application when needed	2	Low	M.Prathisaha
Sprint-4	Whole application	USN-8	As a user I can use the application efficiently	2	Low	Mohamed Anash.S

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.