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

| Date | 22 October 2022 |
|---|---|
| Team ID | PNT2022TMID30291 |
| Project Name | VirtualEye - Life Guard For Swimming Pools To Detect Active Drowning |
| 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 | **Building Phase** | USN-1 | Fetch the details of Swimmer for analysis | 5 | High | Pavithra T |
| Sprint-1 | | USN-2 | Collect information of the lifeguard to notify | 2 | Medium | Mohanapriya C |
| Sprint-1 | | USN-3 | Store the Information in IBM Cloud | 4 | High | Prasanna Priadarsan M |
| Sprint-1 | | USN-4 | Manipulate the data according to user request | 3 | Low | Niveatha Ruba G |
| Sprint-2 | **Development Phase** | USN-5 | Create a homepage to see our software specifications | 1 | Low | Prasanna Priadarsan M |
| Sprint-2 | | USN-6 | Create a registration  and Login  page | 2 | Medium | Mohanapriya C |
| Sprint-2 | | USN-7 | Authentication for OTP verification | 2 | Medium | Niveatha Ruba G |
| Sprint-2 | | USN-8 | Create a page to monitor swimmers in the swimming pool | 4 | High | Prasanna Priadarsan M |

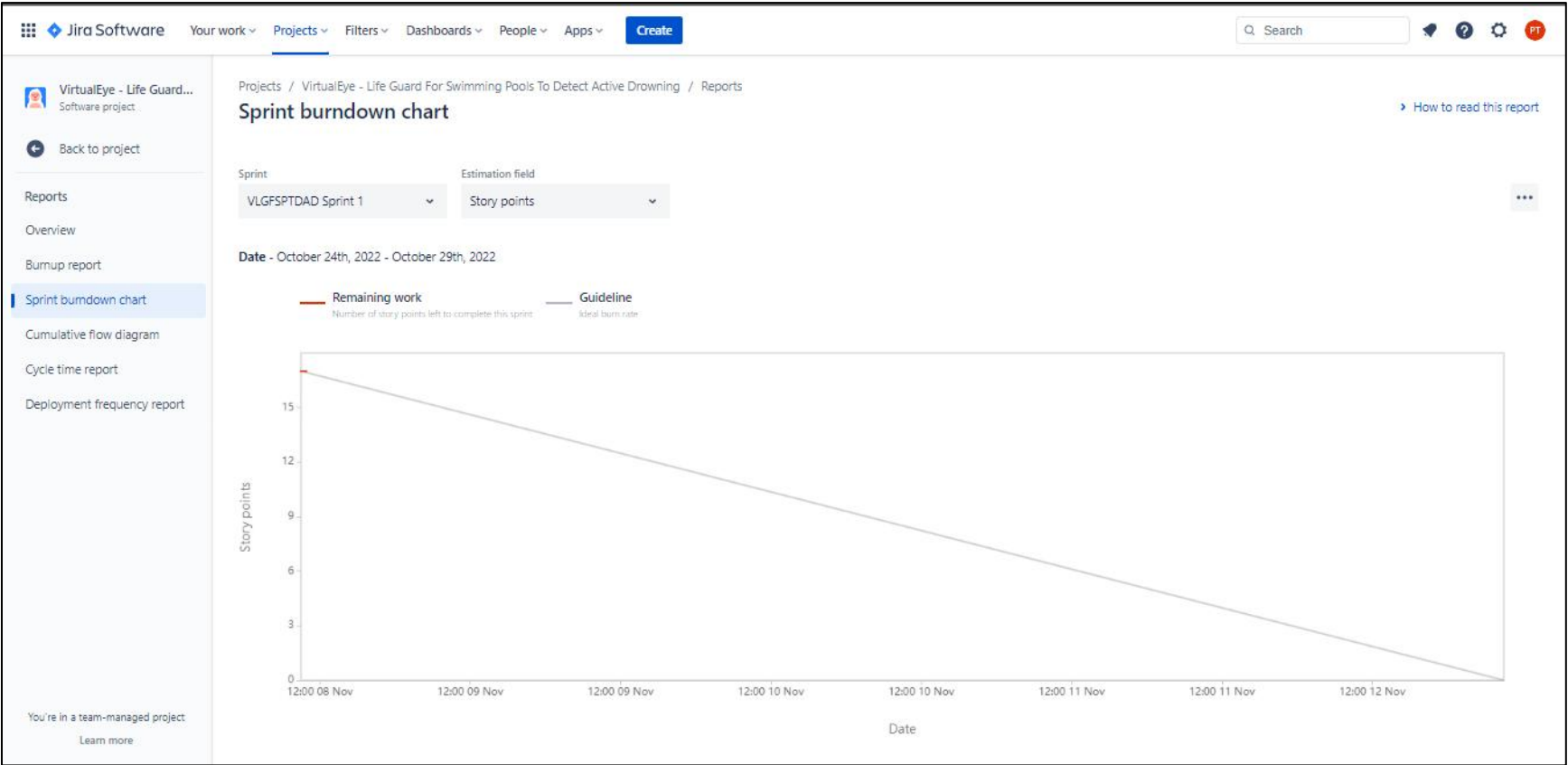| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-2 | | USN-9 | Create a page for prediction of drowning | 4 | High | Mohanapriya C |
| Sprint-3 | **Formation Phase** | USN-10 | Connect the front-end and back-end using the API. | 4 | Medium | Prasanna Priadarsan M |
| Sprint-3 | | USN-11 | Create an admin panel | 4 | Medium | Niveatha Ruba G |
| Sprint-4 | **Testing Phase** | USN-12 | Check the visual quality of the cameras | 3 | Medium | Pavithra T |
| Sprint-4 | | USN-13 | Evaluating the model to check the accuracy of prediction | 5 | High | Mohanapriya C |
| Sprint-4 | | USN-14 | Functional Testing for software scalability | 5 | High | Pavithra T |
| Sprint-4 | | USN-15 | Test the alarm buzzer to notify the lifeguard | 4 | High | Niveatha Ruba G |

**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 | 14 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | | |
| Sprint-2 | 13 | 5 Days | 30 Oct 2022 | 3 Nov 2022 | | |
| Sprint-3 | 8 | 4 Days | 4 Nov 2022 | 7 Nov 2022 | | |
| Sprint-4 | 17 | 5 Days | 8 Nov 2022 | 12 Nov 2022 | | |

**Velocity:**

$$AV = 10.33/4 = 2.58$$

## Burndown Chart:

**Road Map:**



| | OCT | | | | | | NOV | | | | | | | NOV | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

Sprints: VLGFSPTDAD Sprint 1 | VLGFSPTDAD Sprint 2 | VLGFSPTDAD Sprint... | VLGFSPTDAD Sprint 4

- VLGFSPTDAD-15 Building Phase
- VLGFSPTDAD-16 Development Phase
- VLGFSPTDAD-17 Formation Phase
- VLGFSPTDAD-18 Testing Phase