# Project Planning Phase

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

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|---|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID53114 |
| Project Name | VirtualEye - Lifeguard 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Shashank Panda |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Sai Shridhar |
| Sprint-1 | Registration | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Aditya Pahadsingh |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail | 2 | Low | Tushar Nair |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Shashank Panda |
| Sprint-2 | home | USN-5 | User can read about the project and problem solution in the home page | 1 | Medium | Sai Shridhar |
| Sprint-2 | dashboard | USN-6 | User can upload a video to test out the drowning detection system | 2 | High | Aditya Pahadsingh |
| Sprint-2 | Collect dataset | - | Collect the dataset for active drowning prediction | 2 | High | Tushar Nair |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-3 | Train the model | - | Train the model using dataset collected | 4 | High | Sai Shridhar |
| Sprint-3 | Test the model | - | Test the model using the testing data and evaluate using the metrics | 4 | High | Shashank Panda |
| Sprint-3 | Load | - | Load the Trained model | 4 | High | Aditya Pahadsingh |
| Sprint-4 | Detection | USN-7 | Person in video is detected using YOLO algorithm | 2 | Medium | Tushar Nair |
| Sprint-4 | Detection | USN-8 | If person is identified to be drowning, alarm sound is played | 3 | High | Sai Shridhar |
| Sprint-4 | Logout | USN-9 | User can log out of the application | 4 | Medium | Shashank Panda |