**Project Planning Phase**

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

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| Date | 23 October 2022 |
| Team ID | PNT2022TMID36960 |
| Project Name | VirtualEye- Life Guard for Swimming Pools to Detect Active Drowning |
| Maximum Marks | 4 Marks |

**Prepare Milestone and Activity List**

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

Use the below template to create product backlog and sprint schedule

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | VLGFSP-1 | As a user, I can register for the application by  entering my email, password, and confirming my password. | 2 | High | Keerthana |
| Sprint-1 | Registration | VLGFSP-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Jayapreetha |
| Sprint-1 | Registration | VLGFSP -3 | As a user, I can register for the application through Facebook | 2 | Low | Mouriya |
| Sprint-1 | Registration | VLGFSP -4 | As a user, I can register for the application through Gmail | 2 | Medium | Thamizhiniyan |
| Sprint-1 | Login | VLGFSP -6 | As a user, I can log into the application by entering email & password | 1 | High | Mahendran |
| Sprint-2 | Dataset Collect | VLGFSP -11 | Collect number of datasets and get accuracy | 2 | Medium | Mouriya |
| Sprint-2 | Pre-processing | VLGFSP -12 | The dataset is extracted | 2 | High | Keerthana |
| Sprint-2 | Train the model | VLGFSP -13 | Train the model. | 4 | High | Jayapreetha |

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-2 | Test the model | VLGFSP -14 | Test the model | 6 | High | Keerthana |
| Sprint-3 | Detection | VLGFSP -15 | Load the trained model. | 3 | High | Jayapreetha |
| Sprint-3 | Detection | VLGFSP -16 | Identify the person by collecting real-time data  through a webcam. | 5 | Medium | Mouriya |
| Sprint-3 | Detection | VLGFSP -16 | classify it by using a trained model to predict  the output | 8 | High | Thamizhiniyan |
| Sprint-4 | Detection | VLGFSP -17 | If person is drowning, the system will ring an  alarm to give signal | 7 | High | Mahendran |
| Sprint-4 | Detection | VLGFSP -18 | As a User,I can detect the drowning person. | 3 | Medium | Keerthana |
| Sprint-4 | Logout | VLGFSP -19 | As a User,I can logout the application. | 2 | Low | Jayapreetha |