

Project Planning Phase

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

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| Date | 27October 2022 |
| Team ID | PNT2022TMID49459 |
| Project Name | Efficient Water Quality analysis and Prediction using Machine Learning |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | K Harinee K KrishnaPriya |
| Sprint-1 | User Confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | Medium | S P Subani |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 2 | High | S Rishwana Mumtaj M JeyaKaleeswari |
| Sprint-2 | Data Collection and data preprocessing | USN-1 | A Data Collection is a process of gathering and measuring information on variables to ensure accuracy and facilitate data analysis. Data pre processing is a process of clean | 2 | High | Jeyakaleeswari S P Subani |

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|----------|-----------------------------|-------|---|---|--------|--|
| | | | the raw dataset present on it. | | | |
| Sprint-3 | Train and develop the model | USN-1 | We need to check and train our model is performing the test data. | 2 | High | K Krishnapriya K.Harinee S Rishwana Mumtaj M Jeyakaleeswari |
| Sprint-4 | Web Application | USN-1 | As as user, I will show the current Information of the water quality. | 1 | Medium | S P Subani K KrishnaPriya |

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 | 4 Days | 24 Oct 2022 | 27 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 5 Days | 28 Oct 2022 | 01 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-3 | 20 | 8 Days | 02 Nov 2022 | 09 Nov 2022 | 20 | 11 Nov 2022 |
| Sprint-4 | 20 | 9 Days | 10 Nov 2022 | 18 Nov 2022 | 20 | 19 Nov 2022 |