

Real time river water quality monitoring and control system

1. INTRODUCTION

- 1.1 Project Overview
- 1.2 Purpose

2. LITERATURE SURVEY

- 2.1 define problem statement
- 2.2 empathize
- 2.3 brainstorm & prioritize the idea

3. PROJECT DESIGN USING DESIGN THINKING

- 3.1 proposed solution(BMC)
- 3.2 Problem Solution fit
- 3.3 Solution Architecture

4. REQUIREMENT ANALYSIS

- 4.1 customer journey maps
- 4.2 functional and operational requirement
- 4.3 analysis ,interpretation and modeling

5. PROJECT PLANNING

- 6.1 Sprint Planning & Estimation
- 6.2 Sprint Delivery Schedule
- 6.3 Reports from JIRA

7. CODING & SOLUTIONING (Explain the features added in the project along with code)

- 7.1 functional Features
- 7.2 debugging & traceability
- 7.3 exception handling

8. TESTING

- 8.1 UAT initiation and design
- 8.2 utilization of testing tools

9. RESULTS

- 9.1 Performance Metrics

10. ADVANTAGES & DISADVANTAGES

11. CONCLUSION

12. FUTURE SCOPE

13. APPENDIX

Source Code

GitHub & Project Demo Link