PROJECT PLANNING PHASE

MILESTONE AND ACTIVITY LIST

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID22872 |
| Project name | Real –time river water quality monitoring and control system |
| Maximum marks | 4 marks |

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| S.NO | ACTIVITY TITLE | ACTIVITY DESCRIPTION | DURATION |
| 1 | Understanding the project | Assign the task to the team members and create repository in the Git hub, discuss the task to each members and started watching dashboard videos | 5 days |
| 2 | Python IDLE | Installing python IDLE and code is developed for the respective assignments | 5 days |
| 3 | IBM cloud | IBM cloud services is configured. IBM cloud account is created for every team members | 3 days |
| 4 | Web application | Web application is created using Node-RED service, dashboard nodes and HTTP requests | 1 week |
| 5 | Mobile app | UI is designed to display the needed parameters(PH values and turbidity) | 1 week |
| 6 | Ideation phase | Literature survey, empathy map and ideation is prepared | 2 days |
| 7 | Project design phase 1 | Proposed solution, problem solution fit and solution architecture is created | 2 days |
| 8 | Project design phase 2 | Customer journey, functional requirement, data flow diagram and technology architecture is designed | 2 days |
| 9 | Project planning phase | Milestone and activity list is prepared and time taken for sprint delivered | 1 day |
| 10 | Project development phase | 4 different codes with same logic will be given in each respective sprints | 1 week |
| 11 | Budget discussion | Analyze the use of IOT in the project and discuss with team about budget for the customer to buy | 2 days |