Mini Project Logbook

**Predicting and Classifying Water Quality, Treatment, and Usage**

**Group Members**

Roll No: 58 - Parth Suryavanshi

Roll No: 55 - Shreya Singh.

Roll No: 9 - Shruti Devlekar

Roll No: 47 - Yash Sarang.

Guide: Dr. Anjali Yeole.



**Department of Artificial Intelligence and Data Science.**

Vivekanand Education Society’s Institute of Technology.

Academic Year: 2022 - 2023.

**Department of Artificial Intelligence and Data Science.**

**2022-23**

**Group No**: 7 / D11AD.

**Project Title**: Predicting and Classifying Water Quality, Treatment, and Usage

**Guide**: Dr. Anjali Yeole.

**Students Details**:

|  | Member-1 | Member-2 | Member-3 | Member-4 |
| --- | --- | --- | --- | --- |
| Roll | 47 | 58 | 9 | 55 |
| Name | Yash Sarang | Parth Suryavanshi | Shruti Devlekar | Shreya Singh |
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| Signature |  |  |  |  |

Course Outcomes

1. Identify problems based on societal /research needs.
2. Apply Knowledge and skill to solve societal problems in a group.
3. Develop interpersonal skills to work as a member of a group or leader.
4. Draw the proper inferences from available results through theoretical/ experimental/simulations.
5. Analyse the impact of solutions in societal and environmental contexts for sustainable development.
6. Use standard norms of engineering practices
7. Excel in written and oral communication.
8. Demonstrate capabilities of self-learning in a group, which leads to lifelong learning.
9. Demonstrate project management principles during project work.

**Proposed Schedule for Mini Project:**

| **Week/ Date** | **Content** | **Remark** | **Signature** |
| --- | --- | --- | --- |
| 1st, 2nd Week of Jan. | Selecting Topic of Mini project, Preparing the Synopsis. | Done. |  |
| 3rd, 4th Week of Jan. | Discussing the working and the implementation of AI in our project and the sustainable development goals it fulfills. | Done. |  |
| 5th Week of Jan +  1st, 2nd Week of Feb. | Preparing an architectural model of our project and referring to Literature surveys. | Done. |  |
| 3rd, 4th, and 5th  Week of Feb. | Preparing the Presentation to present our Project in future Project Reviews. First Internal Review of our project. | Done. |  |
| 1st, 2nd  Week of March. | Finding a dataset, learning its Data collection methodology, Feature extraction, and analyzing the overall system. | Done. |  |
| 3rd, 4th  Week of March. | Preparing the Logbook and Report for our project. | Done. |  |
| 5th Week of March  + 1st, 2nd Week of April. | Completing the logbook, report, and ppt of our project for the External Project Review. | Done. |  |
| 3rd, 4th, 5th  Week of April. | Final External Project Review. | Done. |  |

**Department of Artificial Intelligence and Data Science.**

**2022-2023**

**Mini-Project Progress Report**

**Sem 6**

**Project Group No. :** 7

**Title**: Predicting and Classifying Water Quality, Treatment, and Usage

**Guide**: Dr. Anjali Yeole.

| **Roll No** | **Name of Project Member** |
| --- | --- |
| 47 | Yash Sarang |
| 58 | Parth Suryavanshi |
| 9 | Shruti Devlekar |
| 55 | Shreya Singh |

| **Week/Date** | **Work Done** | **Students Present** | **Sign of Guide** |
| --- | --- | --- | --- |
| 16/1/2023 | Distributing the workflow and creating a proper progress plan for the project. | Yash, Shruti, Parth, Shreya. |  |
| 18/1/2023 | Meeting with our Guide for discussing the future course of our project implementation | Yash, Shruti, Parth, Shreya. |  |
| 25/1/2023 | Preparing the Synopsis and Discussing the Content of the project. | Yash, Shruti, Parth, Shreya. |  |
| 30/1/2023 | Submitting the Paper Draft for our Proposed Solution Paper | Yash. Shruti |  |
| 6/2/2023 | Finalising the Model for the Water Quality Implementation. | Yash, Shruti, Parth, Shreya. |  |
| 13/2/2023 | Meeting with our guide to update her about our project's status.  Where she asked us to deliver a Minimum Value Product(MVP) of our Project. | Yash, Shruti, Parth, Shreya. |  |
| 15/2/2023 | Preparing the list of final features to be implemented in the MVP. | Yash, Shruti, Parth, Shreya. |  |
| 22/2/2023 | Creating and presenting the MVP of our project to our Guide. | Yash, Shruti, Parth, Shreya. |  |
| 27/2/2023 | Brainstorming on the working part of the project and getting creative views. | Yash, Shruti, Parth, Shreya. |  |
| 1/3/2023 | Discussing the part of scaling our project. | Yash, Shruti, Parth, Shreya. |  |
| 8/3/2023 | Studying and Analysing the Literature surveys related to our project to improvise even further. | Yash, Shruti, Parth, Shreya. |  |
| 13/3/2023 | Integrating the website with the model and backend. | Yash, Shruti, Parth, Shreya. |  |
| 20/3/2023 | Finalizing the Website UI/UX and Final Touches on the Website and setting up the local hosting for the final Review Presentation. | Yash, Shruti, Parth, Shreya. |  |
| 29/3/2023 | Preparing the Presentation for the Internal Project review. | Yash, Shruti, Parth, Shreya. |  |
| 3/4/2023 | Exploring and Studying the Future Scope of our Project. | Yash, Shruti, Parth, Shreya. |  |
| 10/4/2023 | Preparing the Project Report and the Final Presentation of our Project. | Yash, Shruti, Parth, Shreya. |  |
| 17/4/2023 | Preparing the Logbook for our project to be submitted. | Shruti, Parth, Shreya. |  |
| 18/4/2023 | Final Review of our Project with our mentors | Yash, Shruti, Parth, Shreya. |  |
| 25/4/2023 | Final External Project Review. | Yash, Shruti, Parth, Shreya. |  |

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