Mini Project Logbook

**Water Quality Predictor and Usage Suggestor**

**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: 2021-2022.

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

**2022-23**

**Group No**: 7 / D11AD.

**Project Title**: TIC - TAC - TOE.

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

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

**2022-2023**

**Mini-Project Progress Report**

**Sem 5**

**Project Group No. :** 7

**Title**: Water Quality Predictor and Usage Suggestor

**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** |
| --- | --- | --- | --- |
| 10/8/2022 | Creating the group and choosing a list of topics for the project. | Yash, Shruti, Parth, Shreya. |  |
| 17/8/2022 | Meeting with our Guide for discussing the topics and selecting a topic. | Yash, Shruti, Parth, Shreya. |  |
| 29/8/2022 | Meeting with our Guide for finalizing the project topic. | Yash, Shruti, Parth, Shreya. |  |
| 31/8/2022 | Preparing the Synopsis and Discussing the Content of the project. | Yash, Shruti, Parth, Shreya. |  |
| 3/9/2022 | Meeting with our guide to updating her about our project's status.  Where she asked us to create a prototype of our Project. | Yash, Shruti, Parth, Shreya. |  |
| 9/9/2022, | Preparing the Prototype, Introduction, and Idea of the project. | Yash, Shruti, Parth, Shreya. |  |
| 14/9/2022 | Creating and presenting the prototype of our project to our Guide. | Yash, Shruti, Parth, Shreya. |  |
| 20/9/2022 | Brainstorming on the working part of the project and getting creative views. | Yash, Shruti, Parth, Shreya. |  |
| 23/9/2022 | Discussing the part of implementing AI sustainable goals in our project. | Yash, Shruti, Parth, Shreya. |  |
| 30/9/2022 | Studying and Analysing the Literature surveys related to our project. | Yash, Shruti, Parth, Shreya. |  |
| 3/10/2022 | Discussing the Platforms comfortable for everyone to implement the Project. | Yash, Shruti, Parth, Shreya. |  |
| 12/10/2022 | Discussing the functionality of the project. | Yash, Shruti, Parth, Shreya. |  |
| 17/10/2022 | Preparing the Presentation for the internal Project review. | Yash, Shruti, Parth, Shreya. |  |
| 19/10/2022 | Exploring and Studying new algorithms to be implemented in the project. | Yash, Shruti, Parth, Shreya. |  |
| 27/10/2022 | Preparing the Project Report and the Final Presentation of our Project. | Yash, Shruti, Parth, Shreya. |  |
| 28/10/2022 | Internal Project Review. | Shruti, Parth, Shreya. |  |
| 1/11/2022 | Preparing the Logbook for our project to be submitted. | Yash, Shruti, Parth, Shreya. |  |
| 5/11/2022 | Final External Project Review. | Yash, Shruti, Parth, Shreya. |  |

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