Mini Project Logbook

**CONNECT 4**

Group Members

Roll No: 05 Name: Sheryl Bellary

Roll No: 21 Name: Nikita Jethani

Roll No: 32 Name: Anushka Kulkarni

Roll No: 33 Name: Araya Kurup

Supervisor/Guide:

Dr. M.Vijayalakshmi

Prof. Ajinkya Valanjoo



**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**

**2021-2022**

**Group No**: 13

**Project Title**: Connect 4

**Guide**: Dr. M.Vijayalakshmi & Prof. Ajinkya Valanjoo

**Students Details**:

|  | Member-1 | Member-2 | Member-3 | Member-4 |
| --- | --- | --- | --- | --- |
| Roll No | 05 | 21 | 32 | 33 |
| Name | Sheryl Bellary | Nikita Jethani | Anushka Kulkarni | Arya Kurup |
| Class | D6AD | D6AD | D6AD | D6AD |
| Contact | 98696 79027 | 90216 11718 | 8605795274 | 84338 42165 |
| Email | 2020.sheryl.bellary@ves.ac.in | 2020.nikita.jethani@ves.ac.in | 2020.anushka.kulkarni@ves.ac.in | 2020.arya.kurup@ves.ac.in |
| Signature |  |  |  |  |

Course Outcomes

**Course Outcome:**

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 context 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** | **Time Required** | **Remark** | **Signature** |
| --- | --- | --- | --- | --- |
| 1 | Meeting with Mentor for selection of topic | 1 |  |  |
| 2 | Literature survey and study of similar games | 1 |  |  |
| 3 | Understand Connect 4 and learn how it works. | 2 |  |  |
| 4 | Understand the potential of AI in Game. | 2 |  |  |
| 5 | Read on the algorithms that may be required. | 2 |  |  |
| 6 | Understand in more detail how the algorithms work. | 1 |  |  |
| 7 |  | 1 |  |  |
| 8 | Learn the technologies that would be required to implement the algorithms. | 1 |  |  |
| 9 | Map the structure of the game. | 1 |  |  |

**2021-2022**

**Mini-Project Progress Report**

**Sem – 3**

**Project Gr No** \_\_13\_\_

**Title**: Connect 4

**Guide**: Dr. M. Vijayalakshmi & Prof. Ajinkya Valanjoo

| **Roll No** | **Name of Project Member** |
| --- | --- |
| 05 | Sheryl Bellary |
| 21 | Nikita Jethani |
| 32 | Anushka Kulkarni |
| 33 | Arya Kurup |

| **Week/Date** | **Work Done** | **Students Present** | **Sign of Guide** |
| --- | --- | --- | --- |
| 1 | Meeting with mentor for selection of topic | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |
|  | Literature survey and study of similar games | Sheryl Bellary |  |
| 2 |  | Nikita Jethani |  |
|  |  | Anushka Kulkarni |  |
|  |  | Arya Kurup |  |
| 3 | Understand Connect 4 and learn how it works. | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |
| 4 | Understand the potential of AI in game. | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |
| 5 | Studied about AI Algorithms used in Games. | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |
| 6 | Researched Minimax Algorithm | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |
| 7 | Studied about trees. | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |
| 8 | Studied about the traversal of trees namely BFS and DFS. | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |
| 9 | Fun Elements to the Game. | Sheryl Bellary |  |
| Nikita Jethani |
| Anushka Kulkarni |
| Arya Kurup |