

Mini Project Logbook



Vivekanand Education Society’s Institute of Technology

Academic Year: 2021-2022

**Department of Artificial Intelligence and Data Science**

# CONNECT 4

## GROUP MEMBERS

|  |  |  |
| --- | --- | --- |
| **ROLL NO** | **CLASS** | **NAME OF MEMBER** |
| 67 | D6AD | Heramb Pawar |
| 68 | D6AD | Manvi Gour |
| 69 | D6AD | Shreyas Satre |

**Mentor/Guide:** - Prof. Sangeeta Oswal



# Department of Artificial Intelligence and Data Science

**Group No**: Group 18 **Project Title**: Connect 4 **Guide**: Sangeeta Oswal **Students Details**:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Member-1** | **Member-2** | **Member-3** |
| **Roll No** | 67 | 68 | 69 |
| **Name** | Heramb Pawar | Manvi Gour | Shreyas Satre |
| **Class** | D6AD | D6AD | D6AD |
| **Contact** | 9967252861 | 9326026945 | 993040655 |
| **Email** | [d2020.heramb.p](mailto:d2020.heramb.pawar@ves.ac.in)  [awar@ves.ac.in](mailto:d2020.heramb.pawar@ves.ac.in) | [d2020.manvi.gour](mailto:d2020.manvi.gour@ves.ac.in)  [@ves.ac.in](mailto:d2020.manvi.gour@ves.ac.in) | [d2020.shreyas.sat](mailto:d2020.shreyas.satre@ves.ac.in)  [re@ves.ac.in](mailto:d2020.shreyas.satre@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 member of a group or leader.
4. Draw the proper inferences from available results through theoretical/ experimental/simulations.
5. Analyze 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**

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| --- | --- | --- | --- | --- |
| **Week/Date** | **Content** | **Time Required** | **Remark** | **Signature** |
| 21/12/2021 | Forming a group | 30min |  | **Heramb Pawar**    **Manvi Gour**    **Shreyas Satre** |
| 22/12/2021 | General discussion of topic | 1.5hr |  |  |
| 25/12/2021 | Research of various  topics and its related material | 2hr |  |  |
| 29/12/2021 | Going through research papers | 1.5hr |  |  |
| 31/12/2021 | Finalizing the topic | 1hr |  |  |
| 02/01/2022 | Understanding basic python | 1.5hr |  |  |
| 06/01/2022 | Installing & configuring  application required for developing game | 2hr |  |  |
| 10/01/2022 | Studying the game tree | 2hr |  |  |
| 13/01/2022 | Studying the algorithms | 1.5hr |  |  |



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| **Week/Date** | **Content** | **Time Required** | **Remark** | **Signature** |
| 18/01/2022 | Working on design part of project | 3hr |  |  |
| 27/01/2022 | Working on GUI of game | 1.5hr |  |  |
| 02/02/2022 | Working on game logic | 1.5hr |  |  |
| 03/03/2022 | Implementation of logic in game | 1.5hr |  |  |
| 17/03/2022 | Implementation of AI part in game | 1.5hr |  |  |
| 05/04/2022 | Implementation of difficulty levels in game | 1.5hr |  |  |
| 30/04/2022 | Working on Report | 1hr |  |  |
| 04/05/2022 | Final Project presentation | 2hr |  |  |



**Mini-Project Progress Report**

**Sem – 3**

**Title**: Connect 4

**Guide**: Sangeeta Oswal

### Project Gr No :2

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| --- | --- |
| **Roll No** | **Name of Project Member** |
| 67 | Heramb Pawar |
| 68 | Manvi Gour |
| 69 | Shreyas Satre |

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| **Week/Date** | **Work Done** | **Students Present** | **Sign of Guide** |
| Week 1 | Discussion regarding selection of topic-I | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Discussion regarding selection of topic-II | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Week 2 | Finalizing the idea of game with group members | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Studying the algorithms related to Connect 4 | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Week 3 | Topic Finalization | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Searching various research papers | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |



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| --- | --- | --- | --- |
| **Week/Date** | **Work Done** | **Students Present** | **Sign of Guide** |
| Week 4 | Understanding the concepts involved in connect 4 | Manvi Gour |  |
| Searching and learning from various research papers and sources | Heramb Pawar |  |
| Shreyas Satre |  |
| Week 5 | Implementation of program code | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Implementation of program code (Backend work) | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Week 6 | Implementation of AI part in game | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Implementation of difficulty levels in game | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Week 7 | Preparing report | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |
| Final presentation of Connect 4 | Heramb Pawar |  |
| Manvi Gour |
| Shreyas Satre |