Mini Project Logbook

Title: Maze Generator.

Group Members

Roll No: 02 Name: Harshita Anala

Roll No: 09 Name: Shruti Devlekar

Roll No: 22 Name: Akshiti Kachhawah

Roll No: 61 Name: Abhishek Thorat

Supervisor/Guide: Sangeeta Oswal

Name of Guide: Sangeeta Oswal



**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**: 07

**Project Title**: Maze Generator.

**Guide**: Sangeeta Oswal

**Students Details**:

|  | Member -1 | Member - 2 | Member - 3 | Member - 4 |
| --- | --- | --- | --- | --- |
| Roll No. | 02 | 09 | 22 | 61 |
| Name: | Harshita Anala | Shruti Devlekar | Akshiti Kachhawah | Abhishek Thorat |
| Class: | D6AD | D6AD | D6AD | D6AD |
| Contact: | 9967511212 | 9321891289 | 8097218506 | 8010877244 |
| Email: | 2020.harshita.an ala@ves.ac.in | 2020.shruti.devlekar@ves.ac.in | 2020.akshiti.kach hawah@ves.ac.in | 2020.abhishek.thorat @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 life long learning.
9. Demonstrate project management principles during project work.

**Proposed Schedule for Mini Project**

| **Week/ Date** | **Content** | **Time Required** | **Remark** | **Signature** |
| --- | --- | --- | --- | --- |
| Week 1 | General discussion of topic | 1.5hr |  |  |
| Week 1 | Research of various topics and its related material | 2hr |  |  |
| Week 2 | Going through research papers | 1.5 |  |  |
| Week 2 | Finalizing the topic | 1hr |  |  |
| Week 3 | Understanding basic python | 1.5hr |  |  |
| Week 3 | Implementing the code-I | 2hr |  |  |
| Week 4 | Implementing code-II | 2hr |  |  |
| Week 4 | Studying the algorithms | 1.5hr |  |  |
| Week 5 | Worked on code | 3hr |  |  |
| Week 5 | Working on GUI of game | 1.5hr |  |  |
| Week 6 | Made any changes needed | 1hr |  |  |
| Week 6 | Debugging and final execution | 2hr |  |  |

**2021-2022**

**Mini-Project Progress Report**

**Sem – 4**

**Project Gr No**: 07

**Title**: Maze generator

**Guide**:Sangeeta Oswal

| **Roll No** | **Name of Project Member** |
| --- | --- |
| 02 | Harshita Anala |
| 09 | Shruti Devlekar |
| 22 | Akshiti Kachhawah |
| 61 | Abhishek Thorat |

| **Week/Date** | **Work Done** | **Students Present** | **Sign of Guide** |
| --- | --- | --- | --- |
| Week 1 | Discussion regarding selection of topic-I | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Discussion regarding selection of topic-II | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Week 2 | Finalising the idea of game with group members | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Studying the algorithms related to AI | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Week 3 | Topic Finalization | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Searching various research papers | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Week 4 | Understanding the concepts involved in maze generators. | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Searching and learning from various research papers and sources | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Week 5 | Implementation of program code | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Implementation of program code (Backend work) | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Week 6 | Making the framework and GUI | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |
| Making the framework and GUI | Harshita Anala |  |
| Shruti Devlekar |
| Akshiti Kachhawah |
| Abhishek Thorat |