

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN(A)

BHIMAVARAM

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COLORED LINES

TEAM MEMBERS

- 20B01A05D0 : Paluri Sita Sowmya
- 20B01A05D1 : Pamidi Usha Shanmukhi
- 20B01A04B7 : Pogula Sre Jaya Lakshmmy
- 20B01A04B8 : Prathipati Satya Durga Lavanya
- 20B01A1221 : Budda R.S. Manisri
- 21B05A1201 : Booraga Jassika

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INTRODUCTION

Colored Lines is a single player board game which is played on 9x9 grid.

Goal: To match 5 or 6 balls of same color.

Tasks Performed are:

Task 1: Grid Formation.

Task 2: Insertion of balls into the grid and working on position.

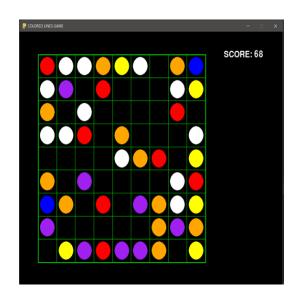
Task 3: Movement of balls and Score Board.

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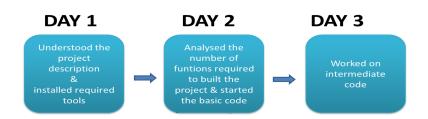
DESCRIPTION

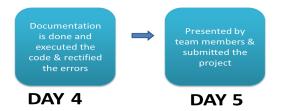
Colored Lines is a single player board game which is played on 9x9 grid by moving balls from cell to cell to group them into lines of same color. The more balls you move at once the greater your score is.

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PROJECT FLOW





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Each Member Contribution

- Sowmya Code Implementation Verification, Worked on Latex
- Usha Code Implementation Verification
- Jaya Code Verification Test Cases
- Lavanya Code Implementation Latex
- Manisri Code Verification Worked on Latex
- Jassika Code Verification Latex

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CHALLENGES

- Creating and Insertion of ball into the cell.
- Movement of balls according to the corresponding valid positions.
- How we overcame:
 - Identified to work in pygame.
 - By combined ideas of all team members.

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LEARNINGS

Learned how and where to use
Library: pygame and
Modules: copy, time, random
according to our necessity for the implemention of code.

- Problem Solving
- Logical Thinking

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TECH STACK

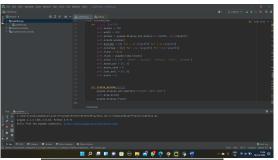
Technical Stack

- Languages:
 - Python
- Tools:
 - GUI Pygame
 - PyCharm



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DEMO SCREENSHOTS





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CODE STATUS

• Lines of code: 505

• No.of functions: 21



REPO

https://gitlab.com/sowmyapaluri/coloredlines



THANK YOU!!

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