



**SMART INDIA
HACKATHON
2022**

Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

National Digital Education Architecture (NDEAR), Department of School Education & Literacy (DoSEL)

PS Code: AK1083

Problem Statement Title: Creating games/ open source solutions to develop games which help in teaching / learning concepts

Team Name: Group-05 (17,18,19,20)

Team Leader Name: Karthik Shetty

Institute Code (AISHE):

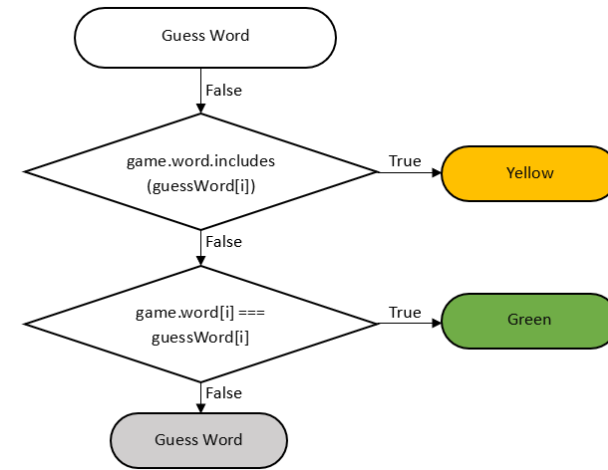
Institute Name: Thakur College of Engineering and Technology

Theme Name: Educational Game

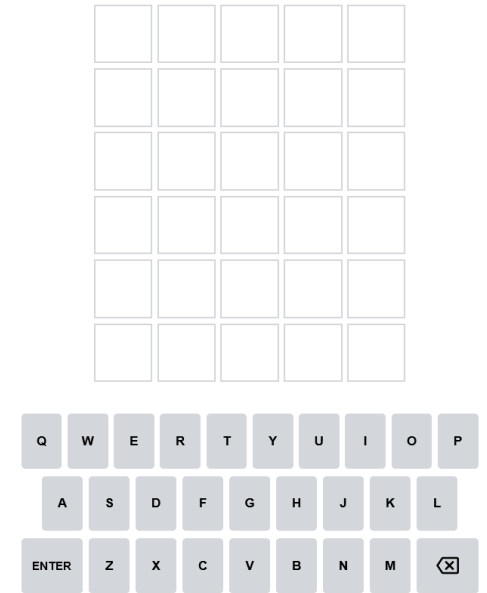
Idea/Approach Details

Idea/Solution/Prototype:

- In this project, we will be recreating the guessing game Wordle.
- This project covers the core game logic but does not implement sharing the results.
- The project doesn't cover the functionality that generates game statistics.
- It is intended for front-end developers that want to build a fun, vanilla JavaScript or Python project.



Wordle - Clone



Technology stack:

This project assumes a basic understanding of:

- HTML
- CSS
- JavaScript
- NPM
- Python

Idea/Approach Details

Use Cases:

- Creating the game board
- Creating the on-screen keyboard
- Accepting user input
- Adding notifications
- Making the on-screen keyboard generate input
- Adding animation

Dependencies:

If we use JavaScript:

- axios
- cors
- dotenv
- express

If we use Python:

- NumPy
- Pandas
- Matplotlib
- String
- re

Team Member Details

Team Leader Name: Karthik Shetty - 18

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|--------------------------------|------|-------------------------|-----|---------------------|----|
| Branch (BTech/MTech/PhD etc.): | B.E. | Stream (ECE, CSE etc.): | CSE | Year (I,II,III,IV): | VI |
|--------------------------------|------|-------------------------|-----|---------------------|----|

Team Member 1 Name: Ananya Shetty - 17

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|--------------------------------|------|-------------------------|-----|---------------------|----|
| Branch (BTech/MTech/PhD etc.): | B.E. | Stream (ECE, CSE etc.): | CSE | Year (I,II,III,IV): | VI |
|--------------------------------|------|-------------------------|-----|---------------------|----|

Team Member 2 Name: Sparsha Shetty - 19

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|--------------------------------|------|-------------------------|-----|---------------------|----|
| Branch (BTech/MTech/PhD etc.): | B.E. | Stream (ECE, CSE etc.): | CSE | Year (I,II,III,IV): | VI |
|--------------------------------|------|-------------------------|-----|---------------------|----|

Team Member 3 Name: Pranali Shirsat - 20

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|--------------------------------|------|-------------------------|-----|---------------------|----|
| Branch (BTech/MTech/PhD etc.): | B.E. | Stream (ECE, CSE etc.): | CSE | Year (I,II,III,IV): | VI |
|--------------------------------|------|-------------------------|-----|---------------------|----|

Team Mentor 1 Name: Ms. Huda Khan

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|-------------------------------|----------|------------------------------------|-------------------------------|
| Category (Academic/Industry): | Academic | Expertise (AI/ML/Blockchain etc.): | Domain Experience (in years): |
|-------------------------------|----------|------------------------------------|-------------------------------|

Team Mentor 2 Name: Ms. Tammayi Nagale

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|-------------------------------|----------|------------------------------------|-------------------------------|
| Category (Academic/Industry): | Academic | Expertise (AI/ML/Blockchain etc.): | Domain Experience (in years): |
|-------------------------------|----------|------------------------------------|-------------------------------|