

SKILL X PROJECT

DIGITAL SCRABBLE WORD DICTIONARY

GAME IN PYTHON

INTRODUCTION

- create a fun and interactive platform for word game enthusiasts and language learners. It enhances vocabulary, promotes linguistic skills, and fosters creative thinking. Suitable for all ages, the game provides an engaging experience, encouraging players to build language proficiency and cognitive abilities. It's an ideal tool for educational purposes and personal development, making learning enjoyable.

OBJECTIVE

- 1. Create a fun and interactive word game platform.
- 2. Improve vocabulary and word-forming skills.
- 3. Provide an engaging experience for all ages.
- 4. Build language proficiency and cognitive abilities.
- 5. Make learning enjoyable and interactive.
- 6. Promote creative thinking and problem-solving skills.



Title: Digital Scrabble Word Dictionary Game

The **Digital Scrabble Word Dictionary Game** is a **fun and learning game** where players make **English words** from random letters. It is made for students, kids, and all people who like word games. The game uses a **built-in dictionary** to check if the word is correct.

This game helps players to:

- Learn new words
- Improve spelling
- Think faster
- Play with friends or alone



Main Features

1. **Word Checker**

1. Checks if the word is real
2. Uses a simple English dictionary

2. **Letter Generator**

1. Gives random letters to the player
2. Every round is new and different

3. **Scoring System**

1. Long words give more points
2. Score is shown after every word

4. **Timer Option**

1. Set a time to finish your word
2. Play fast, think fast

5. **Multiplayer Mode**






1. Play with 2 or more players
2. Take turns and compare scores

6. **Leaderboard**

1. Shows top scores
2. Encourages better play



Future Work

-  **Online Version**
- Play with people around the world
- Global leaderboard
-  **Mobile App**
- Make the game available on Android and iOS
-  **AI Opponent**
- Play with a smart computer player
-  **Achievements**
- Earn badges for great scores
-  **Multilingual Support**
- Add other languages (Hindi, Spanish, French, etc.)



CONCLUSION



1. The game is engaging and interactive.
2. Vocabulary skills are significantly improved.
3. Strategic thinking is enhanced.
4. Real-time feedback is beneficial.
5. The game is suitable for all ages.
6. Overall, it's a fun and educational experience.

The background features a horizontal rainbow gradient transitioning from dark purple at the top to bright yellow in the middle, then through green and blue to a magenta/pink at the bottom. On the left side, there are several thin, curved, light-colored lines that sweep upwards and outwards. In the top-left corner, there is a solid red arrow pointing to the right.

THANK YOU