**ABSTRACT**

Now this is an era of online. But in this online world, there are some places where internet is unavailable. So, the people who are living there will face difficulty to understand the meaning of the word, opposites and synonyms. Also, there may be situation where we need to understand the meaning or antonym or synonym of the word but due to internet issues, we may fail in understanding the word. So, this project helps us to overcome this problem. This is an offline application which gives the meaning, antonym and synonym of the word in a much faster way.

A word helper, or audio dictionary, is a tool that helps users learn and understand new words by providing audio pronunciation and definitions. It may be a physical device or an electronic app that can be accessed on a smartphone or computer. Word helpers are often used by language learners to improve their vocabulary and pronunciation skills. They can also be helpful for people who have difficulty reading or who prefer to learn through audio rather than text. Some word helpers may also offer additional features such as synonyms, examples of word usage, and related words to help users understand the context in which a word is used.

# ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany the successful completion of any task would be impossible without the mention of the people who made it possible, whose constant guidance and encouragement crowned our efforts with success.

I have great pleasure in expressing gratitude to **Dr. Mohan Manghnani**, Chairman, New Horizon Educational Institutions, for providing necessary infrastructure and creating good environment.

I take this opportunity to express my profound gratitude to **Dr. Manjunatha,** Principal, New Horizon College of Engineering, for his constant support and encouragement.

I would like to thank **Dr. Amarjeet Singh**, Professor and Dean-Academics, NHCE, for his valuable guidance.

I would also like to thank **Dr. B. Rajalakshmi**, Professor and HOD, Department of Computer Science and Engineering, for her constant support.

I also express my gratitude to **Ms. Florence**, Assistant Professor, Department of Computer Science and Engineering, my mini project reviewer, for constantly monitoring the development of the project and setting up precise deadlines. Her valuable suggestions were the motivating factors in completing the work.

**Varun M G**

**USN: 1NH20CS242**

**CONTENTS**

**PLAGIARISM CERTIFICATE I**

**ABSTRACT II**

**ACKNOWLEDGEMENT III**

**LIST OF FIGURES V**

1. **INTRODUCTION** 
   1. PROBLEM DEFINITION **1**
   2. OBJECTIVES **1**
   3. METHODOLOGY TO BE FOLLOWED **1**
   4. EXPECTED OUTCOMES **2**
   5. HARDWARE AND SOFTWARE REQUIREMENTS **2**
2. **FUNDAMENTALS OF PYTHON**
   1. INTRODUCTION TO PYTHON **3**
   2. ADVANTAGES OF PYTHON **4**
   3. PYTHON LISTS **5**
   4. PYTHON TUPLES **5**
   5. PYTHON SETS **6**
   6. PYTHON DICTIONARIES **6**
   7. PYTHON FUNCTIONS **7**
3. **FUNDAMENTALS OF TKINTER**
   1. INTRODUCTION **8**
   2. WIDGETS **8**
   3. LABELS **9**
   4. FRAME **10**
   5. BUTTONS **10**
4. **DESIGN** 
   1. DESIGN GOALS **11**
   2. ALGORITHM **11**
   3. FLOWCHART **12**
5. **IMPLEMENTATION** 
   1. PACKAGES **13**
   2. WORD ENTRY **13**
   3. MEANING  **13**
   4. ANTONYM  **14**
   5. SYNONYM **15**
   6. SEARCH **16**
   7. WORD AUDIO **17**
   8. MEANING, ANTONYM AND SYNONYM AUDIO **17**
   9. CLEAR **18**
   10. EXIT **18**
   11. TKINTER **19**
6. **RESULTS** 
   1. MAIN SCREEN **21**
   2. WORD ENTRY **21**
   3. MEANING, ANTONYM AND SYNONYM **22**
   4. WRONG WORD BUT NEARER TO CLOSER WORD **22**
   5. WRONG WORD **23**
   6. CLEAR **23**
   7. EXIT **24**
7. **CONCLUSION 25**

**REFERENCES 26**

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **Figure No** | **Figure Description** | **Page No** |

**2.1 Different versions of Python over the years 3**

**2.2 DBMS Component Modules 4**

**3.2 Widgets 9**

**4.3 Flowchart 12**

**6.1 Main Screen 21**

**6.2 Word Entry Field 21**

**6.3 Meaning, Antonym and Synonym Field 22**

**6.4 Wrong Entry but Closer Word 22**

**6.5 Wrong Word Entry 23**

**6.6.1 Before Clear 23**

**6.6.2 After Clear 24**

**6.7 Exit 24**