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1. Cover Page
2. Title Page
3. Declaration by the Candidate
4. Certificate
5. Certificate by External Guide (Applicable for students doing project outside VIT)
6. Abstract
7. Acknowledgement
8. Table of Contents
9. List of Tables
10. List of Figures
11. List of Symbols, Abbreviations and Nomenclature
12. Chapters of the Report
13. Conclusion & Future Work
14. References-**APA FORMAT**
15. Appendices

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*A project report on*

**WORDZONE**

*Submitted in partial fulfillment for the award of the degree of*

**BTECH**

*by*

**RITVEAK DUGAR (16BIT0407)**



**SCHOOL OF INFORMATION TECHNOLOGY & ENGINEERING**

March,2020

**WORDZONE**

*Submitted in partial fulfillment for the award of the degree of*

**BTECH**

*by*

**RITVEAK DUGAR (16BIT0407)**



**SCHOOL OF INFORMATION TECHNOLOGY & ENGINEERING**

March,2020

**DECLARATION**

I hereby declare that the thesis entitled “WORDZONE ” submitted by me, for the award of the degree of Specify the name of the degree VIT is a record of bonafide work carried out by me under the supervision of Prof E Sathiyamoorthy.

I further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Place: Vellore

Date: Signature of the Candidate

**CERTIFICATE**

This is to certify that the thesis entitled “WORDZONE**”** submitted  
by RITVEAK DUGAR (16BIT0407) SCHOOL OF INFORMATION TECHNOLOGY & ENGINEERING VIT, for the award of the degree of BTECH is a record of bonafide work carried out by him under my supervision.

The contents of this report have not been submitted and will not be submitted  
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any other institute or university. The Project report fulfils the requirements and regulations of  
VIT and in my opinion meets the necessary standards for submission.

**Signature of the Guide**  **Signature of theHoD**

**Internal Examiner**  **External Examiner**

Date: …………….…..

**CERTIFICATE BY THE EXTERNAL GUIDE**

This is to certify that the project report entitled “**WORDZONE”** submitted by R**ITVEAK DUGAR (16BIT0407)** to Vellore Institute of Technology in partial fulfilment of the requirement for the award of the degree of BTECH in Information Technology is a record of bonafide work carried out by him under my guidance. The project fulfils the requirements as per the regulations of this Institute and in my opinion meets the necessary standards for submission. The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

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**ABSTRACT**

This project is an attempt to bring in various word related paradigms in a single place, where users can learn, understand and find their words. The project has four main sections namely Find Zone, Understand Zone, Knowledge Zone and Learning Zone.

Find Zone is the section where user can find words they want, for example, rhyming words with particular meaning or a word for their crossword with particular hints or words for their scrabble game.

Understand Zone is the section where users can understand a word by looking up multiple meanings and examples of it.

Knowledge Zone is the section where users can know more related words like synonyms, antonymns, hypernymn, holonymn and hyponymn.

Learning Zone is the section which utilises the searches done in the whole application to train a machine learning model. This model smartly suggests words for the user to learn.

The whole project is aimed to improve vocabulary of users by giving them a platform to find, understand, know and learn words.

The whole project gives user a graphical user interface made on Kivy, which lets them learn and explore words with WORDZONE.

*i*

**ACKNOWLEDGEMENT**

It is my pleasure to express with deep sense of gratitude to Prof E Sathiyamoorthy, Professor Grade 1, School of Information Technology and Engineering, Vellore Institute of Technology, for his constant guidance, continual encouragement, understanding; more than all, he taught me patience in my endeavour. My association with him is not confined to academics only, but it is a great opportunity on my part of work with an intellectual and expert in the field of <area>.

I would like to express my gratitude to Dr.G.Vishwanathan, Mr. Sankar Viswanathan, Dr. Anand A. Samuel, Dr. S. Narayanan, and Dr Balakrushna Tripathy, School of Information Technology and Engineering, for providing with an environment to work in and for his inspiration during the tenure of the course.

In jubilant mood I express ingeniously my whole-hearted thanks to <Program char-name>. <Program Chair and designation>, all teaching staff and members working as limbs of our university for their not-self-centred enthusiasm coupled with timely encouragements showered on me with zeal, which prompted the acquirement of the requisite knowledge to finalize my course study successfully. I would like to thank my parents for their support.

It is indeed a pleasure to thank my friends who persuaded and encouraged me to take up and complete this task. At last but not least, I express my gratitude and appreciation to all those who have helped me directly or indirectly toward the successful completion of this project.

Place: Vellore

Date: **Ritveak Dugar**

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**Chapter 1**

**Introduction**

* 1. INTRODUCTION

WORDZONE is an umbrella that covers a lot of word related operations. A user can find words, understand them, get to know more related words and learn new ones which are suggested based on their searches.

Hence Wordzone has four main sections namely:

1. Find Zone
2. Understand Zone
3. Knowledge Zone
4. Learning Zone
   * 1. FIND ZONE

FIND ZONE allows the user to find words that they are looking for.

A user can look up for words which rhyme with a given word, further the result can be narrowed down to be of some specific meaning in the “Rhyming Words” section.

User can also look up for words with some meaning, which can be narrowed down to a list of words with fixed character at a position in the “Crossword Helper” section.

Words for Scrabble can be searched using “Scrabble Helper” where the word fragment, its position and length of the word can be found.

* + 1. UNDERSTAND ZONE

UNDERSTAND ZONE allows user to find the meaning and examples of the word they enter. It also shows multiple meanings that a word might have and returns example for each case as well.

* + 1. KNOWLEDGE ZONE

KNOWLEDGE ZONE allows user to know more words around the word they enter. A user can find Synonyms in the “Similar meaning” section, antonyms in “Opposite meaning” section and other related words in “Hypernymn/Hyponymn/Holonymn” section

* + 1. LEARNING ZONE

LEARNING ZONE is the section that makes use of all the searches made by the user in the application to smartly suggest new words to learn. The model retrains every time the learner learns a new word or selects “I already know this word” option. Hence making WORDZONE an evolving model which not only gives user a platform to find, understand and know words, but makes their learning personalised as well.

1

Chapter n

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**Conclusion & Future Work**

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This chapter should summarize the key aspects of your project (failures as well as successes) and should state the conclusions you have been able to draw. Outline what you would do if given more time (future work). Try to pinpoint any insights your project uncovered that might not have been obvious at the outset. Discuss the success of the approach you adopted and the academic objectives you achieved. Avoid meaningless conclusions, [e.g. NOT “I learnt a lot about C++ programming”]. Be realistic about potential future work. Avoid the dreaded: “All the objectives have been met and the project has been a complete success”. You have to crisply state the main take-away points from your work. Describe how your project is performed against planned outputs and performance targets. Identify the benefits from the project. Be careful to distinguish what you have done from what was there already. It is also a good idea to point out how much more is waiting to be done in relation to a specific problem, or give suggestions for improvement or extensions to what you have done.

Future scope of the work for improvement may also be included

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**Appendices**

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Appendices are provided to give supplementary information, which is not included in the main text may serve as a separate part contributing to main theme.

* Appendices should be numbered using Arabic numerals, e.g. Appendix 1, Appendix 2 etc.
* Appendices, tables and references appearing in appendices should be numbered and referred to at appropriate places just as in the case of chapters.
* Appendices shall carry the title of the work reported in it and the same title shall be used in the contents page also.

3

REFERENCES

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