

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of the task would be put incomplete without the mention of the people who made it possible, whose constant guidance and encouragement crown all the efforts with success.

We wish to express our deep sense of gratitude to **Mr.P.DURGA PRASAD** Assistant professor & Project Guide, Department of Computer Science and Engineering, University College of Engineering and Technology, for his able guidance and useful suggestion, which helped me in completing the project work, in time.

We are particularly thankful to **Mrs.Ch SWARNALATHA**, Head of the Department of Computer Science and Engineering for her guidance, intense support and encouragement, which helped us to mould our internship into a successful one.

We would like to thank Principal **Dr.R. REKHA** for her expert guidance and encouragement at various levels of our project.

We show our gratitude to our honourable Registrar **Prof. KRISHNA RAO THUMMA** for having provided all the facilities and support.

We avail this opportunity to express our deep sense of gratitude to our honourable Vice Chancellor **Prof.Ch. GOPAL REDDY**, congenial atmosphere to complete this project successfully.

We also thank all the staff members of Computer Science & Engineering department for their valuable support and generous advice. Finally, thanks to all our friends and family members for their continuous support and enthusiastic help.

Ch.Vamshi (4511-18-733-017)

DECLARATION

I hereby declare that this Major Project report titled” **Voice Assistant System**”is a genuine Project work carried out by me in **B.Tech(Computer Science & Engineering)** degree course of **Mahatma Gandhi University, Nalgonda** andhas not been submitted to any other course or university for the award of degree

Signature of the student

Ch.Vamshi (4511-18-733-017)

ABSTRACT

The Most famous application of iPhone is “SIRI” and Google that is “GoogleVoice Search”. But this Application mostly works with Internet Connections. But our Proposed System has capability to work with and without Internet Connectivity. which takes the user input in form of voice or text and process it and returns the output in various forms like action to be performed or the search result is dictated to the end user.

CONTENT

Acknowledgement	i
Declaration	ii
Abstract	iii
Chapter Name	Page No
1.Introduction	1
1.1 Introduction	1
1.2 Existing System	4
1.3 Disadvantages of Existing System	4
1.4 Proposed System	4
1.5 Advantages of Proposed System	5
2.Literature Survey	6
2.1 Literature review	6
3.System Analysis	9
3.1 Software Requirements	9
3.2 Hardware Requirements	9
4.Domain	10
4.1 Python	10
4.2 pycharm	11
5.Module Design	15
5.1 Modules	15
5.1.1 Speech to text layer	15
5.1.2 Text Analysis	18

5.1.3 Interpret command Layer	15
5.1.4 Text to speech layer	19
6.System Design	21
6.1 Architecture	21
6.2Uml Diagrams	24
6.2.1 Usecase Diagram	24
7.Code	26
8.Output Screens	27
9. Conclusion	28
10.Future Enhancement	29
11.References	30

LIST OF FIGURES

FIGURE	TITLE	PAGE NO
1.2	Types of Voice Assistant	4
1.5	Benefits of Voice Assistants	5
5.1.2	Text Analysis	18
5.1.4	Text to Speech Analysis	19
6.1	Architecture	21
6.2.1	Usecase Diagram	25