

# Voice Assistant

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**Abstract:** People communicate through a few shapes of dialect either by content or discourse. Presently to form intelligence between computers and people, computers have to understand natural dialects utilized by people. Common dialect preparing is all approximately making computers memorize, handle and control characteristic languages. With a consistent advancement in innovation, voice command frameworks such as Amazon Alexa and Apple's Siri are getting to be a more normal portion of standard living. This ppt explores voice command of specialized capacities in a savvy phone. Then we present bland information almost the hypothesis and ideas of voice acknowledgment, current voice colleagues, and savvy phone recognized through a writing examination. Using a subjective approach, we explore the impacts of voice command when actualized in smartphone

**Keywords:** Voice, Commands, Smartphones, Communication.

## I.INTRODUCTION

This extends display a voice acknowledgment framework for way better & simple interaction together with your Smartphone gadget. We have utilized an Android Based keen phone with a most recent program adaptation to run our application. With this application you'll be able to connect along with your smartphone through your voice, Voice acknowledgment frameworks may offer individuals a more comfortable way of life and streamline conventional assignments. Voice control inside feasible homes is particularly useful for individuals with incapacities, empowering a way of life, which was already impossible. The usage of voice command frameworks seems to have great benefits, to advertising offers assistance with help at the working environment. Even though the concept has been brought forward numerous times within the past, it was not until later a long time the improvement focusing on the common open took place. Due to the advancement being generally modern and without much testing, knowing conceivable impacts of executing this sort of framework is of extraordinary intrigued. This consider centers on examining current and conceivable establishments of voice-controlled frameworks in a smartphone in encourage to get to a few of the conceivable impacts that will be executed as well.

## II.LITERATURE SURVEY

Examination of 100 android clients was taken to get the required voice collaborator in their day-to-day life. The clients were comprised of 3 diverse segments that are Scholastics, Corporate, Common division with 41.66%, 37.5%, and 20.83% respectively. Voice associates are the following enormous thing. There are a few clients who are truly interested in the voice collaborators and when we inquired them that what are the essential things that they do day by day and need them to urge completed through voice commands. The answers were exceptionally common and they proposed that they need this sort of framework for basic employments. After the investigation of all the commands, it can be concluded that there was a most elevated request for calling with voice command and in it 83.33% individuals were interested, taking after with 45.83% individuals fascinated by surfing online with voice, 25% in each message and update, 20% in setting alarm, 16% in controlling music with voice, 8% in controlling maps, 9% in social organizing and 4.16% in others which once more comprise of meaning, climate, settings, mail, calculations, news, notes, dialect choice, camera, etc. The study is additionally spoken to in chart 1.1

## III.LITERATURE REVIEW

Omyonga Kevin and Kasamani Bernard Shibwabo proposed that his solution can process voice commands offline and online allowing users to cut down on the cost of data bundles. This offline voice recognition makes the application faster than Apple's Siri. They also made that application work in the background with the help of wakeup services so that users need not push any button. They suggested that future work can be done in considering accuracy especially if the application is used by uttering commands in noisy environments. In addition, new language packs for local languages could be developed thus allowing users such as those living in rural areas to have access to voice-operated software without necessarily having to learn a new language and/or accent.[1]

Sugar Shekhar, Pophali Sameer, Kamad Neha, Deokate Laxman has developed an application, in which client can easily send a message with their voice command and also tried to use most of the inbuilt application with voice command. They also tried to make this application useful for visually impaired people.

The objective for future development was to make a voice engine which can also work for recognizing the other local language like Hindi or Marathi.[2]

Miss. Priyanka V. Mhamunkar, Mr. Krishna S. Bansode, and Prof. Laxman S. Naik suggested an application that will help the user to retrieve the meaning of the word in the form of voice.[3]

Rahul Anwani, Usha Santuramani, Deeksha Raina, Priya R.L has proposed an application that will help us to deal with the mailing service by voice command. Using this application user will have the control to use e-mail by just using certain keywords like reading, Send, Compose Mail, etc without any guidance and the application will perform the provided actions © 2017 IJEDR | Volume 5, Issue 3 | ISSN: 2321-9939 IJEDR1703048 International Journal of Engineering Development and Research (www.ijedr.org) 338 accordingly. VMAIL can also be helpful for the visually impaired person so that their dependency on other people can be diminished.[4]

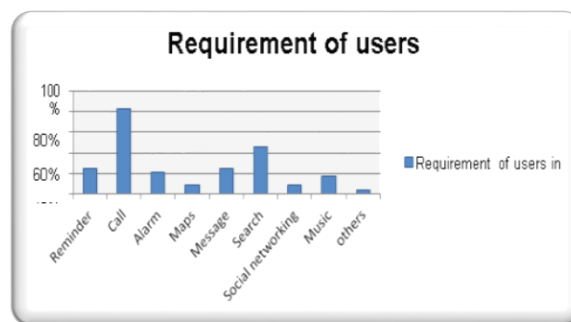


Chart.1

#### IV. PROPOSED SYSTEM

Our proposed system is to create a Voice Assistant application for Smartphone devices. Where we can interact with your smartphone through your voice, Voice recognition systems offer people a more comfortable lifestyle and simplify ordinary tasks.

#### V. VOICE ASSISTANT IMPLEMENTATION

The methodology discussed above in the system approach for the application is implemented in Android Studio with Firebase Database



Fig 1 .GUI Of the Application

In this voice assist application, the user can set alarms, use the google search engine, open any app on their smartphone, use a camera, call any person on their contact list, check the weather, any websites, and more.



Fig. 2 Setting Alarm & Opening Message box using voice command

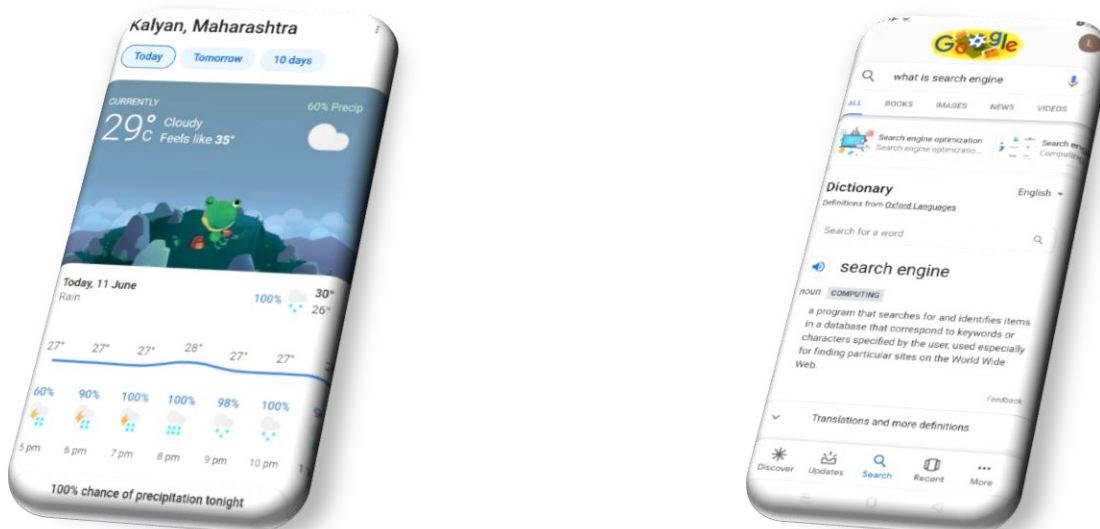


Fig 3 .Opening Weather & Searching anything on Google using voice command

Fig 2 here shows how an alarm is set by using voice assistants as well as how a command of "create message" opens up the messaging application on your smartphone. Fig 3 shows how the command "check weather" works. It also shows any queries you search to speak to search on the Google search engine.

## VI.CONCLUSION

- From this paper , we are able conclude that in future there will be centred of fascination on usage of application which is able give direct alternative. This application will moreover make life less demanding for those who are physically crippled and each common user who is interested in voice acknowledgment. In expansion, this will provide Indian accent which will be beneficial for the Indian who can't speak in US accent.

## VII.REFERENCES

- [1] Shibwabo, B. K., & Omyonga, K. (2015). The application of real-time voice recognition to control critical mobile device operations.



- [2] Sutar Shekhar, Pophali Sameer, Kamad Neha, Deokate laxman. Intelligent Voice Assistant Using Android Platform. International Journal of Advanced Research in Computer Science and Management Studies. Volume 3, Issue 3, March 2015.
- [3] Mhamunkar, M. P. V., Bansode, M. K. S., & Naik, L. S. (2013). Android Application to get Word Meaning through Voice. International Journal of Advanced Research in Computer Engineering & Technology (IJARCCET), 2(2), pp-572.
- [4] Anwani, R., Santuramani, U., Raina, D., & RL, P. VMAIL: Voice-Based Email Application. International Journal of Computer Science and Information Technologies, Vol. 6 (3), 2015.
- [5] Zhong, Y., Raman, T. V., Burkhardt, C., Biadsy, F., & Bigham, J. P. (2014, April). JustSpeak: enabling universal voice control on Android. In Proceedings of the 11th Web for All Conference (p. 36). ACM.
- [6] Yu, T. L., Grande, S., & Yu, R. (2015, January). An Open-Source Based Speech Recognition Android Application for Helping Handicapped Students Writing Programs. In Proceedings of the International Conference on Wireless Networks (ICWN) (p. 71). The Steering Committee of The World Congress in Computer Science, Computer Engineering and Applied Computing (WorldCom).
- [7] Yannawar, P. (2010). Santosh K. Gaikwad Bharti W. Gawali Pravin Yannawar. A Review on Speech Recognition Technique. International Journal of Computer Applications.
- [8] Apte, T. V., Ghosalkar, S., Pandey, S., & Padhra, S. (2014). Android app for the blind using speech technology. International Journal of Research in Computer and Communication Technology(IJRCCT), 3(3), 391-394.
- [1] [http://en.wikipedia.org/wiki/Siri\\_\(software\)](http://en.wikipedia.org/wiki/Siri_(software))
- [2] <http://en.wikipedia.org/wiki/Smartphone>
- [3] <http://yudian.voicecloud.cn/>
- [4] [http://en.wikipedia.org/wiki/Extreme\\_programming](http://en.wikipedia.org/wiki/Extreme_programming)
- [5] [http://en.wikipedia.org/wiki/Cloud\\_computing](http://en.wikipedia.org/wiki/Cloud_computing)
- [6] [http://en.wikipedia.org/wiki/Extreme\\_programming](http://en.wikipedia.org/wiki/Extreme_programming)
- [7] [http://en.wikipedia.org/wiki/Java\\_programming](http://en.wikipedia.org/wiki/Java_programming)
- [8] <http://docs.oracle.com/javase/6/docs/api/>

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