# A.i.
## ARTIFICIAL INTELLIGENCE

# VIRTUAL VOICE  ASSISTANT

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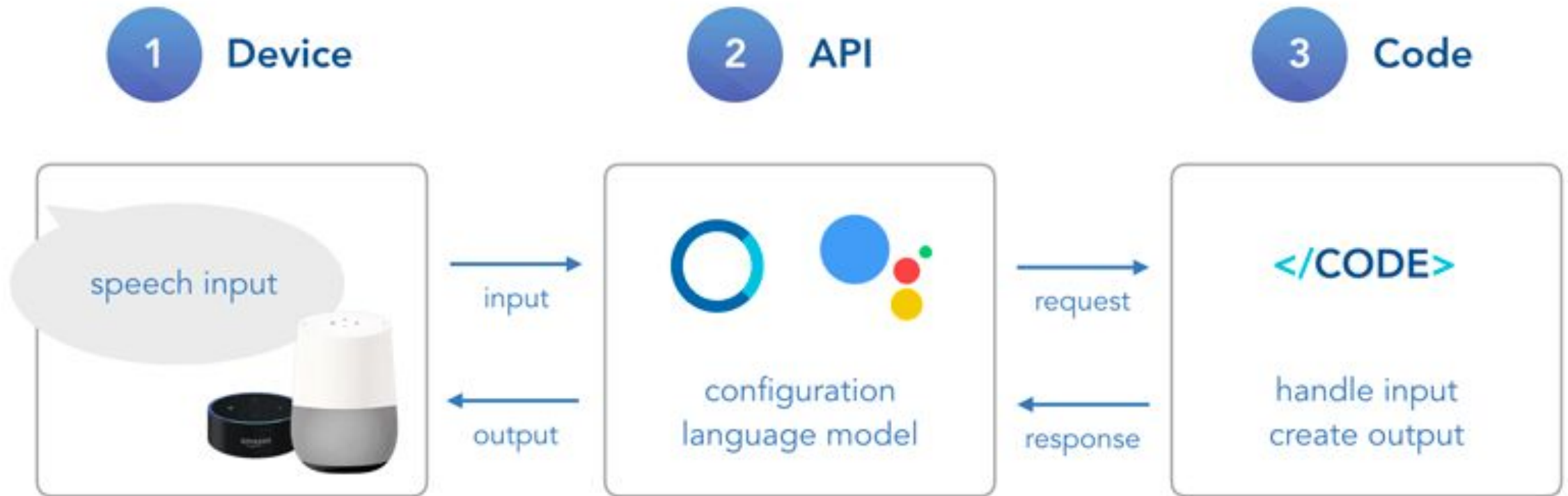
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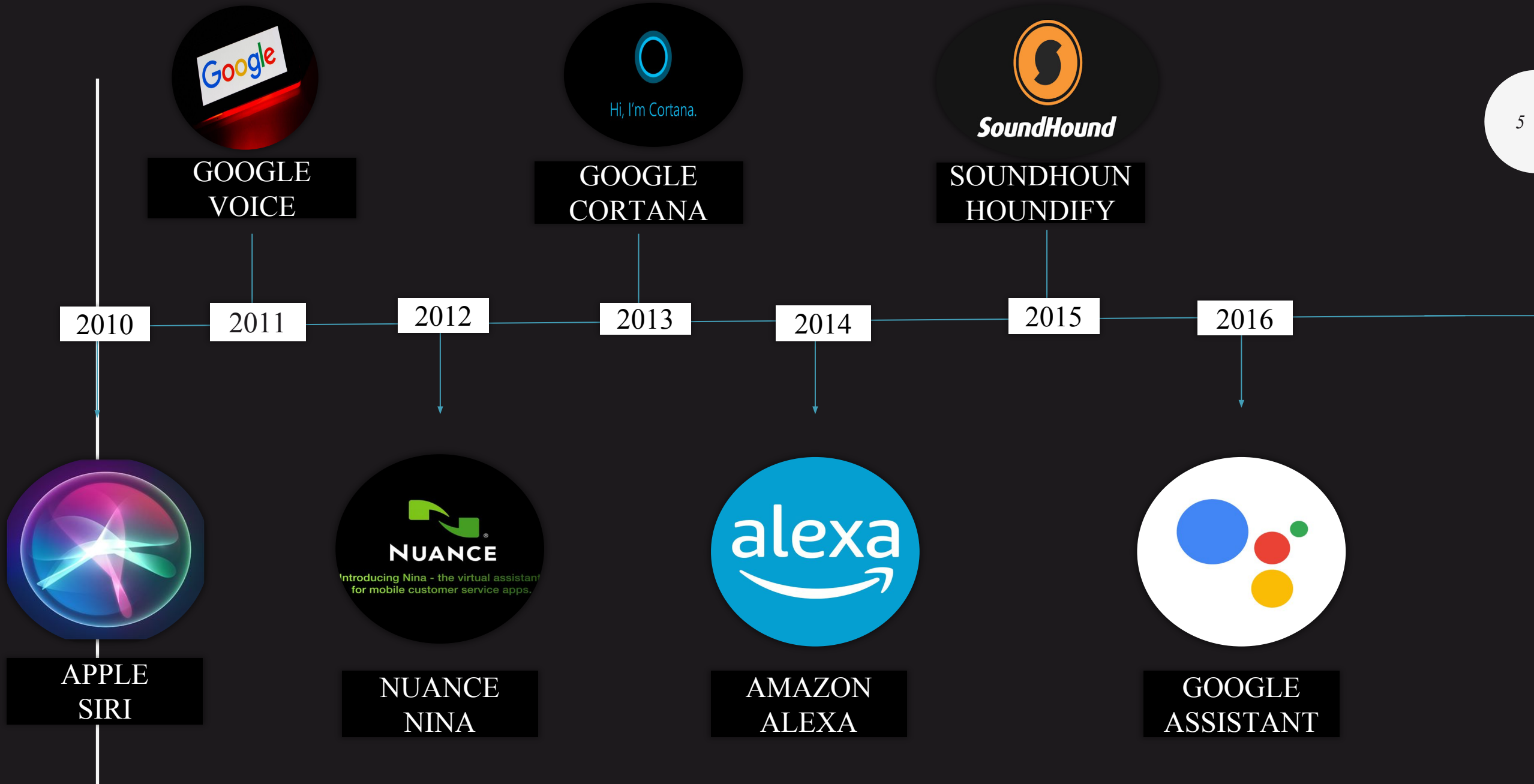8. Conclusion

# WHAT IS AI VIRTUAL ASSISTANT ?

An **intelligent virtual assistant (IVA)** or **intelligent personal assistant (IPA)** is a software or application  that can perform tasks or services for an individual based on commands or questions

# HOW VIRTUAL VOICE ASSISTANTS WORKS ?

# Revolution of virtual assistants

GOOGLE VOICE

GOOGLE CORTANA

SOUNDHOUN HOUNDIFY

2010    2011    2012    2013    2014    2015    2016

APPLE SIRI

NUANCE NINA

AMAZON ALEXA

GOOGLE ASSISTANT

BAIDU AND ALIBABA



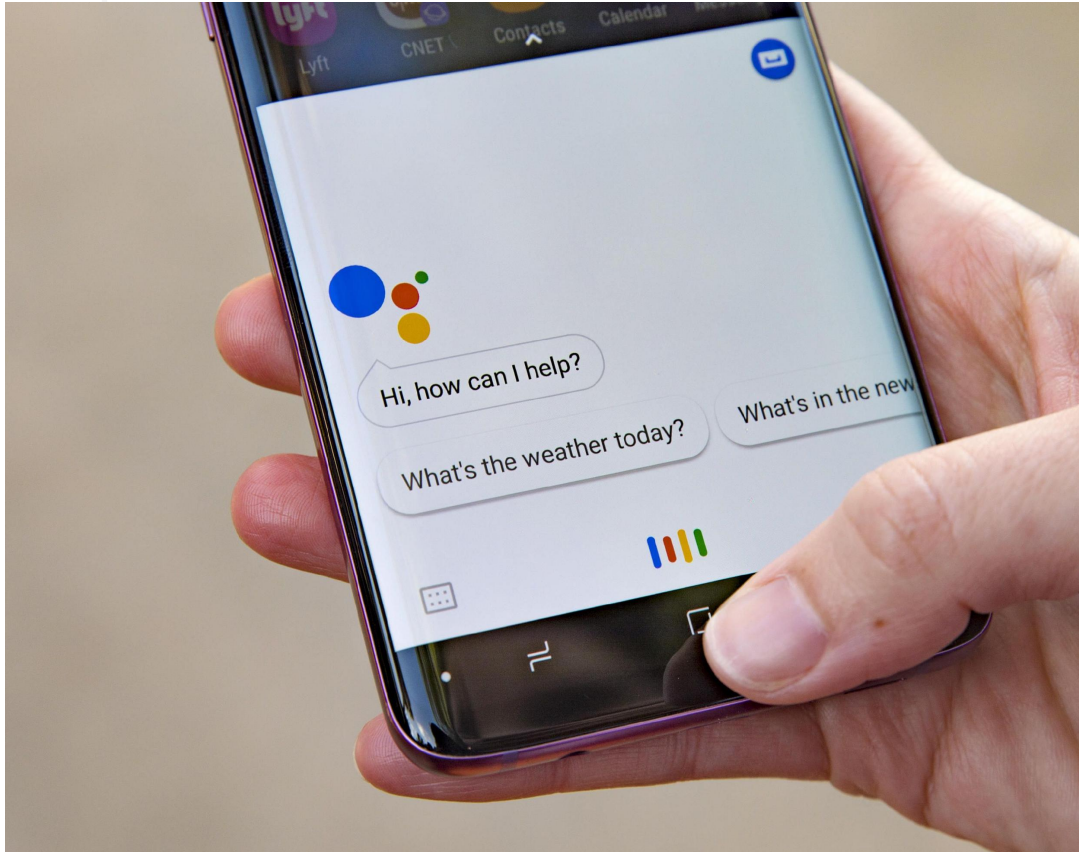MORE THAN 3 BILLION VOICE ASSISTANTS

2017 — 2018 — 2018



SAMSUNG BIXBY

# APPLICATIONS

## 1. GOOGLE ASSISTANT



1. Control your device and your smart home.
2. Acess information from your calendars.
3. Find information online from restaurant, booking to directions weather and news.
4. control your music.
5. play content on your chromecast or other compatible device.
6. Run timers and reminders.

# 2. SIRI

1. Ask about the weather , where you are or in any other city

2. Have siri read your text messages to you.

3. Dictate your e-mails and text messages.

4. Ask siri what time it is.

5. Create a note using your voice,or ask siri to pull up note via a keyword.

# 3. Alexa

1. It is capable of voice interaction, music playback , making to do lists setting alarms , streaming podcasts , playing audiobooks, and providing weather, traffic sports, and other real-time information such as news.

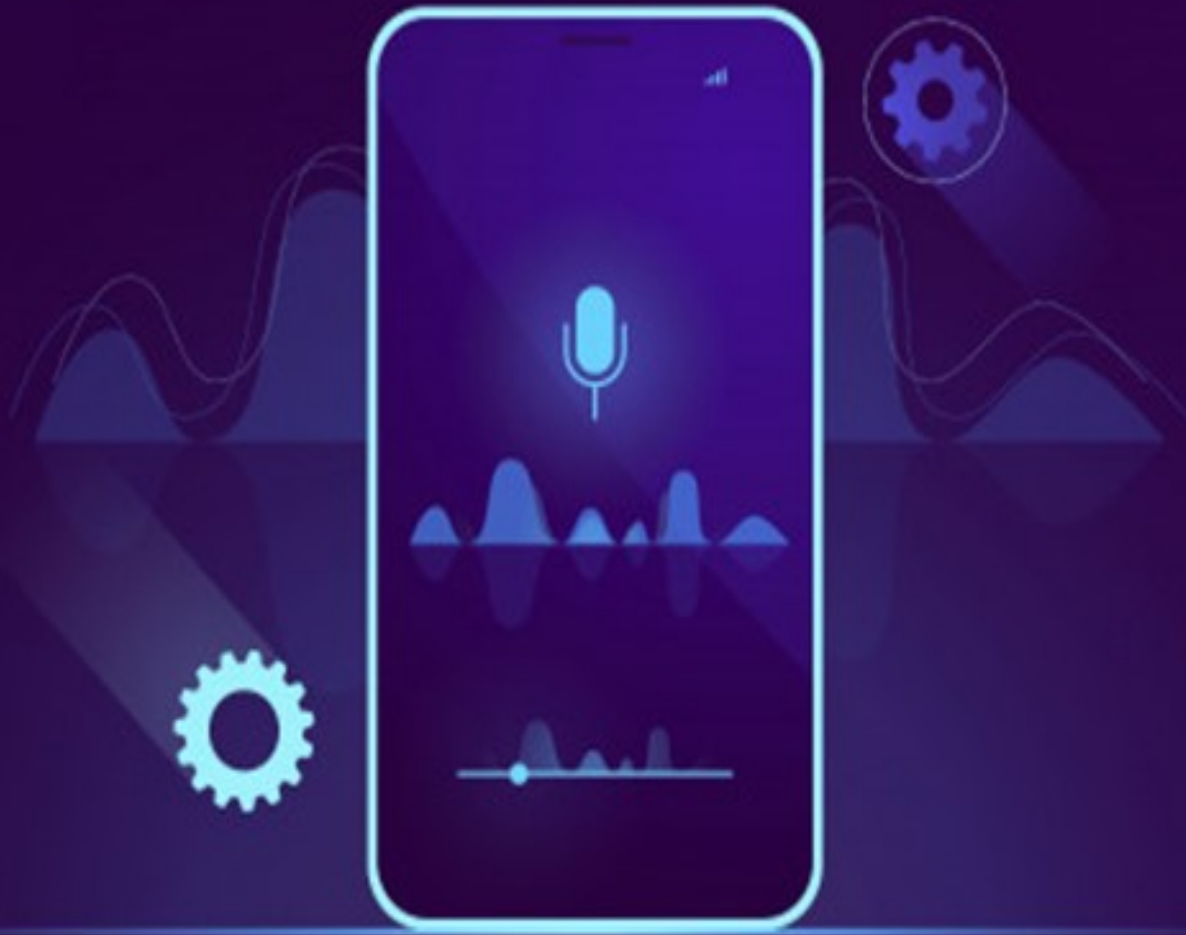2. Alexa can also control several smart devices using itself as home automation system.

# **<u>Advantages :</u>**

1.Accuracy and Preciseness
2.Automation and Personalization
3.Variety of skills and Multitasking
4. Hand-free Functionality
5.Help With Your Distress(Enjoyment)
6.Reach Multiple Users At Once
7.Boosts Productivity Levels
8.Go beyond the usual devices
9.Save money and time at different tasks
10. Help users that suffer from Physical
Impairment

# **<u>Disadvantages :</u>**

1 .Signal Strength
2. Initial cost could outweigh savings
3. Security could be an issue
4. Voice recognition isn't perfect.

# FUTURE SCOPE AND ADVANCEMENTS

1. Mobile App integrating with voice technology
2. Voice Technology in Healthcare
3. Search Behaviors will Changes
4. Individualized\ Personalized Experiences
5. Voice Cloning
6. Voice User Interface(VUI) will Continue to Advance
7. Touch Interaction
8. Compatibility and Integration
9. Enter Conversational Marketing
10. Shift in Key role of Voice assistant

# System Model (vector)

**The tasks which our Vector performs :**

Play anything on youtube with ( vector play _____) command.
Search anything on Wikipedia with ( Say something about_____) command.
Open our college website with ( open our college website ) command.
He tells us current time with ( tell me current time ) command.

**And also answer some questions like :**

Tell me about Vidhya pratishthan .
What is your favorite colour ?
Who is the founder of you ?
Can you have emotions ?

# **Conclusion**

Voice recognition technology is a trend that a lot of people and companies want to embrace-it can provide benefits not only to households but also to businesses as well.

AI virtual assistants are evolving quickly. Companies are enabling them to provide more capabilities like speech recognition and natural language processing advances. It will enable them to understand and perform requests. Furthermore,improvements in voice recognition technology are allowing them to move deeper into business workflows. In the future, AI assistants will have more advanced cognitive computing. technologies. These will help them carry out multi-step requests and perform more complex tasks.

# Thank You