

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

7.1 What the future holds?

Throughout the history of computing, user interfaces have become progressively natural to use. The screen and keyboard were one step in this direction. The mouse and graphical user interface were another. Touch screens are the most recent development. The next step will most likely consist of a mix of augmented reality, gestures and voice commands. After all, it is often easier to ask a question or have a conversation than it is to type something or enter multiple details in an online form.

The more a person interacts with voice-activated devices, the more trends, and patterns the system identifies based on the information it receives. Then, this data can be utilized to determine user preferences and tastes, which is a long-term selling point for making a home smarter.

7.2 Voice Assistant- The Game Changer

There's no doubt that voice is inarguably the most preferred way of communication. It is intuitive, spontaneous, and highlights the content effortlessly. When digitized and enabled into gadgets, it makes life easier than ever. Our day to day quick tasks such as finding directions, scheduling appointments, and even response to messages depends a lot already on voice-enabled systems.



Fig 7.1 Voice Assistants: AI led future is here.

The number of people using voice assistants is expected to grow. According to the Voicebot Smart Speaker Consumer Adoption Report 2018, almost ten percent of people who do not own a smart speaker plan to purchase one. If this holds true, the user base of smart speaker users will grow 50 percent, meaning a quarter of adults in the United States will own a smart speaker. Voice assistants are always improving and “learning.” AI companies use data from existing systems to improve what assistants can do.

The experts predict that voice assistants will improve in many other ways. As described in a 2017 article for *The Atlantic*, “A subfield of AI called computational creativity forges algorithms that can write music, paint portraits, and tell jokes.” These capabilities will help smart speakers “show emotion” and “think” for themselves without being scripted. Systems that explain why they did what they did and what they’re going to do next are also on the horizon.