

VIRTUAL VOICE ASSISTANT

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PROJECT GUIDE

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ABSTRACT

Voice assistants are software agents that can interpret human speech and respond via synthesized voices. Apple's Siri, Amazon's Alexa, Microsoft's Cortana, and Google's Assistant are the most popular voice assistants and are embedded in smartphones or dedicated home speakers. Users can ask their assistants questions, control home automation devices and media playback via voice, and manage other basic tasks such as email, to-do lists, and calendars with verbal commands. This column will explore the basic workings and common features of today's voice assistants. It will also discuss some of the privacy and security issues inherent to voice assistants and some potential future uses for these devices. As voice assistants become more widely used, librarians will want to be familiar with their operation and perhaps consider them as a means to deliver library services and materials. The advancement in technology over time has been unmeasurable. From the first digital computer built by Eniac having a clock speed of 100KHz to the Summit developed by the US Department of Energy has a performance of 148.6 petaFlops, we have come a long way in technological advancement. In such an era of advancement if people are still struggling to interact with their machine using various input devices then its not worth it. For this reason, many voice assistants were developed and are still being improved for better performance and efficiency.