Artificial Intelligence is **an approach to make a computer, a robot**, or a product to think how smart human think. AI is a study of how human brain think, learn, decide and work, when it tries to solve problems. And finally this study outputs intelligent software systems.

Artificial intelligence (AI) is the **ability of a computer** or a robot controlled by a computer to do tasks that are usually done by humans because they require human intelligence and discernment.

**IMPORTANCE OF AI :-**

Simply put, AI **allows organizations to make better decisions, improving core business processes by increasing both the speed and accuracy of strategic decision-making processes**.

**WORKING OF AI :–**

Voice AI is a **conversational AI tool** that uses voice commands to receive and interpret directives. With this technology, devices can interact and respond to human questions in natural language.

Voice assistants are programs **on digital devices that listen and respond to verbal commands**.

In general voice assistants **react to voice commands** and give the user relevant information about his inquiry.

**AI VOICE SUPPORTED ON ALL SOCIAL SITES :-**

**AI can automatically develop creative and messaging in your brand voice across platforms**, including on Facebook and Instagram to increase social media engagement. Save time managing social. AI can analyze your audience and help you manage your work across different social channels.

Recently we have seen mass digital transformations and the adoption of AI and machine learning (ML) technologies to accelerate the growth of the business and boost customer satisfaction.

We take a look at some of the ways that social media platforms are using AI for their benefits and to serve the customers.

**OBJECTIVE OF VOICE RECOGNITION :-**

Voice recognition enables **consumers to multitask by speaking directly to their Google Home**, Amazon Alexa or other voice recognition technology. By using machine learning and sophisticated algorithms, voice recognition technology can quickly turn your spoken work into written text.

* It can capture speech much faster than you can type.
* You can use text-to-speech in real-time.
* The software can spell the same ability as any other writing tool.
* Helps those who have problems with speech or sight

**WHY CHOOSE VOICE RECOGNITION :-**

Speech recognition is valuable **because it saves consumers and companies time and money**. The average typing speed on a desktop computer is around 40 words per minute. That rate diminishes a bit when it comes to typing on smartphones and mobile devices.

You can use voice recognition **to control a smart home, instruct a smart speaker, and command phones and tablets**.

The most significant impacts and benefits are: **Time Savings and Better Productivity**—Medical professionals normally spend a large percentage of their day doing paperwork. That's where speech recognition technologies can have an impact. It takes time to write or type out notes, but it is quicker to speak them aloud.

**WHY CHOOSE PYTHON LANGUAGE :-**

As we know Python is a suitable language for scriptwriters and developers. Let’s write a script for Voice Assistant using Python. The query for the assistant can be manipulated as per the user’s need.

 Python provides an API called **SpeechRecognition** to allow us to convert audio into text for further processing. In this article, we will look at converting large or long audio files into text using the SpeechRecognition API in python.

**FUTURE IMPLEMENTATION :-**