

# AI IN PERSONAL ASSISTANT

IN THE FUTURE TECHNOLOGY IS DEVELOPING VERY FAST

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# OUTLINE :

- Introduction
- Objectives
- Use Case Diagram
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- Impact
- Future Scope
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# INTRODUCTION

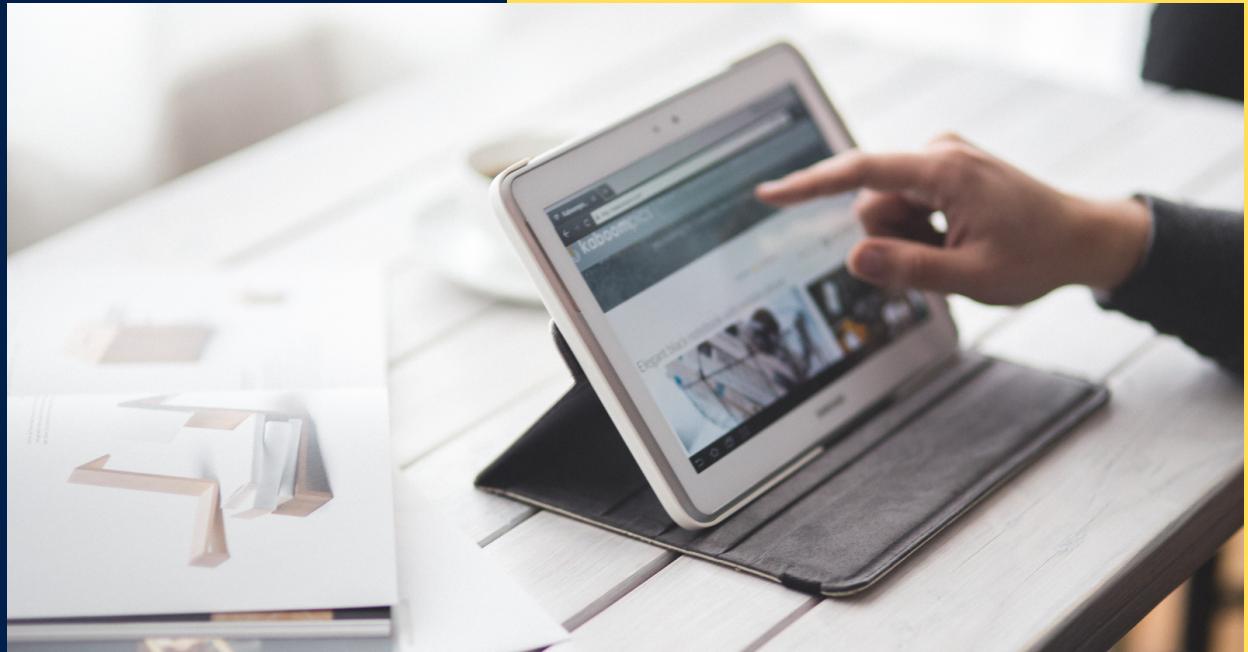
## What is Artificial Intelligence:



1. It mimics Human Intelligence.
2. Improves Efficiency & Decision Making.
3. It uses Machine Learning, Deep Learning, and Natural Language Processing for Doing These Things.

# WHAT IS PERSONAL ASSISTANT:

- Personal assistant is an application program that understands natural language and voice commands to complete tasks for the users.
- Personal assistant is used to perform a typical task like showing date-time, managing emails, open apps, etc. on your command.
- Now a daysPersonal assistant is very useful to human.
- It makes human life easier like operate PC's or laptop on only voice command.





# OBJECTIVES



- The main objective of a personal assistant is to understand the user's command, provided in either of the ways, speech or text, and respond to the command accurately in less consumption of time.
- Virtual assistants can tremendously save you time. We spend hours in online research and then making the report in our terms of understanding. Your personal assistant can do that for you.
- As a Virtual Assistant, It will perform various “administrative tasks” like answering emails, scheduling meetings, making travel arrangements, etc.

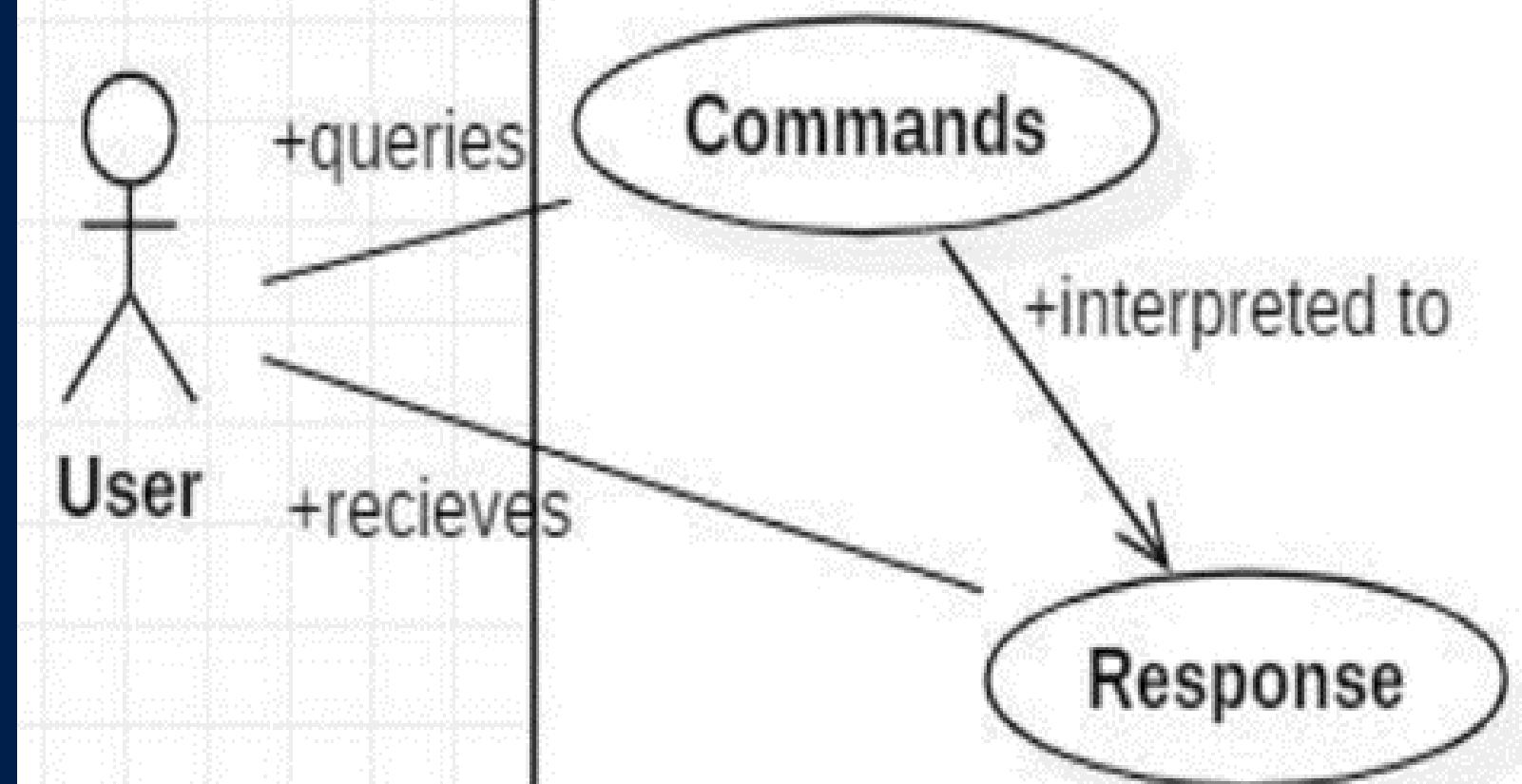
# USER CASE DIAGRAM

The user queries a command to the system.  
System then interprets it and fetches answer.  
The response is sent back to the user.

CLIK HERE



Virtual Assistant



# APPLICATIONS OF AI IN PERSONAL ASSISTANT

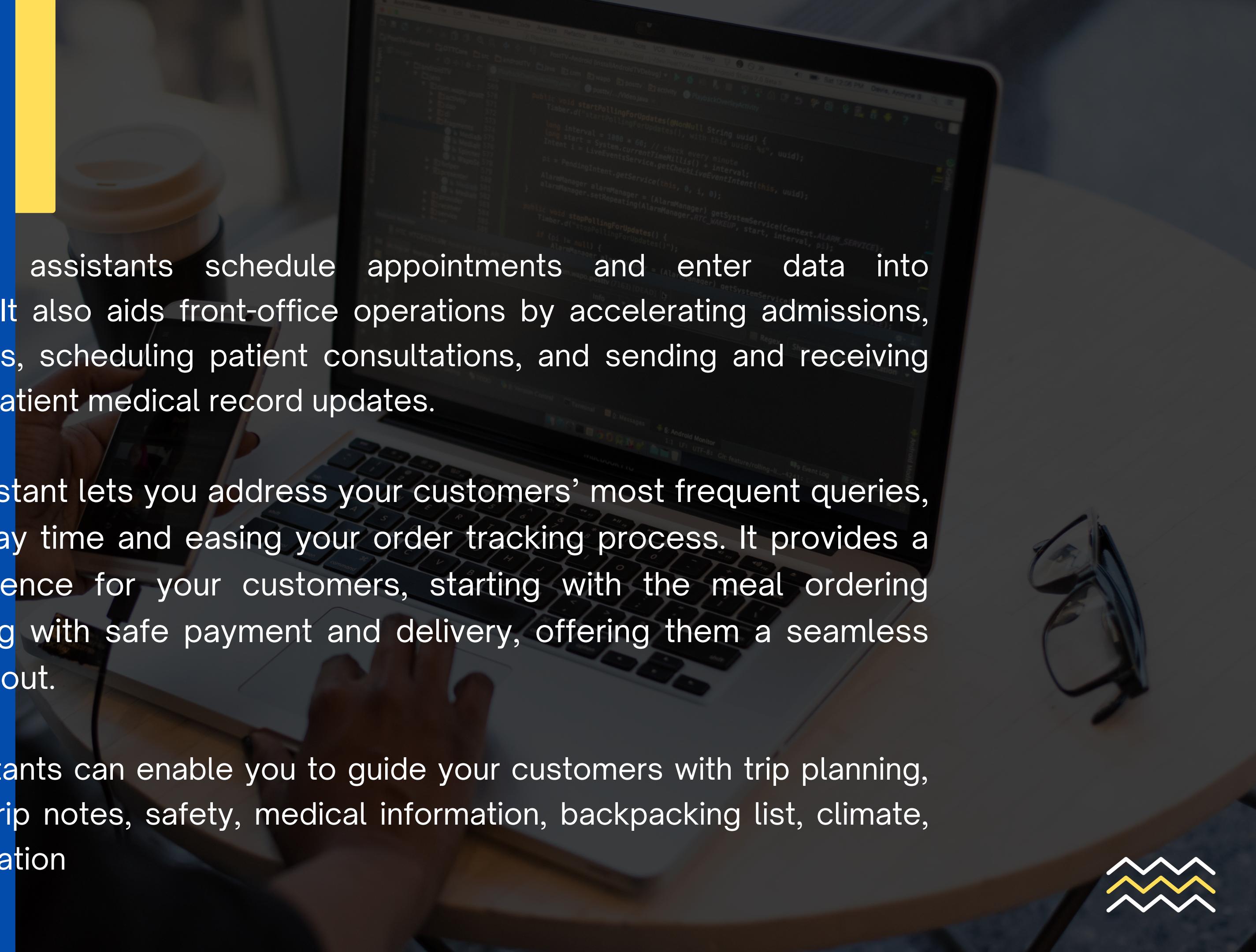
- Smart Homes Devices (Alexa, Google Fit etc.)
- Personalized User Experience
- Customer Service
- Administrative Work(scheduling meetings, booking ticket, etc.)
- Data Entry

[CLIK HERE](#) 



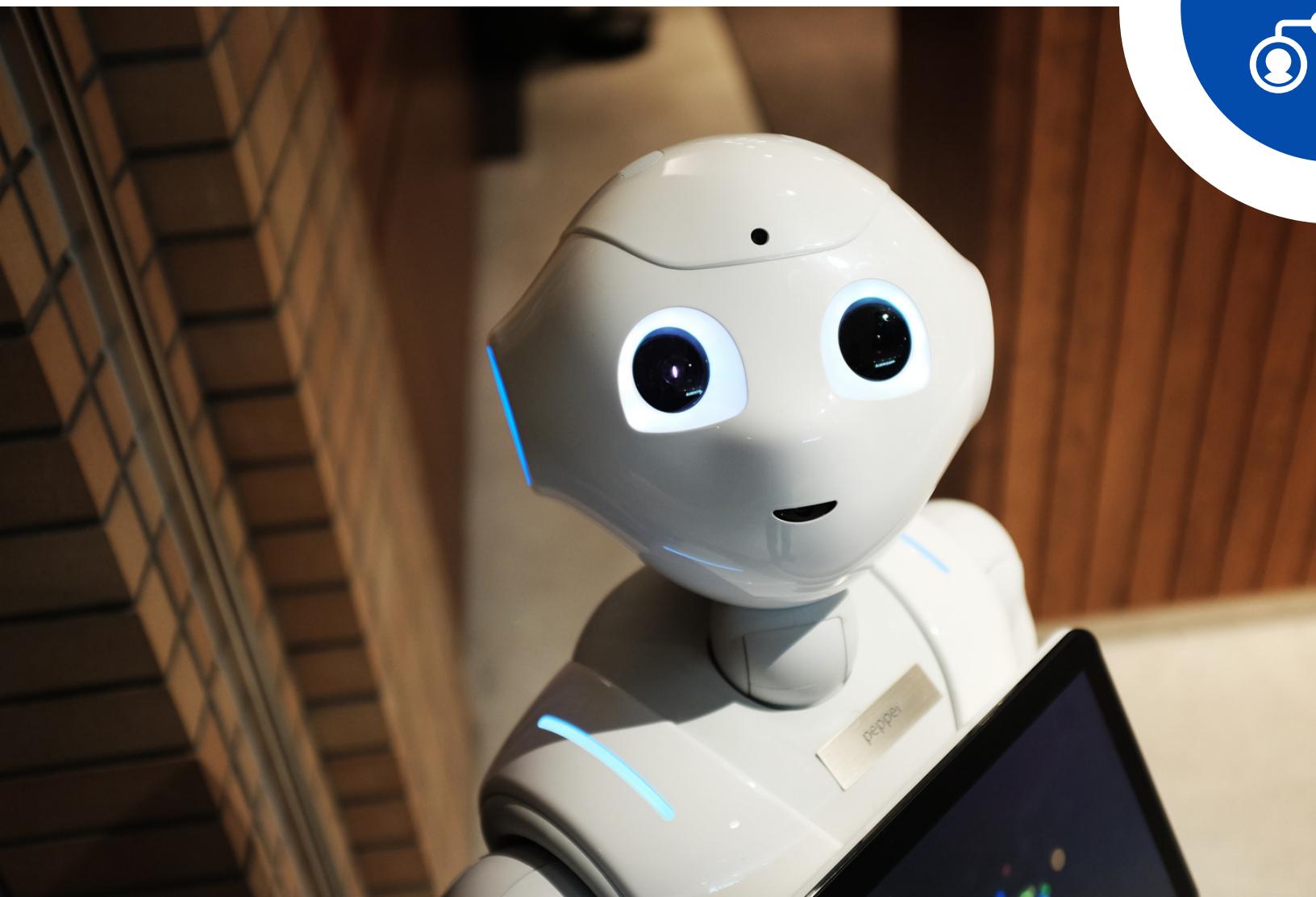
# IMPACT

- **Healthcare:** Virtual assistants schedule appointments and enter data into applications easily. It also aids front-office operations by accelerating admissions, discharges, transfers, scheduling patient consultations, and sending and receiving referrals with easy patient medical record updates.
- 
- **Food:** A virtual assistant lets you address your customers' most frequent queries, reducing order delay time and easing your order tracking process. It provides a contactless experience for your customers, starting with the meal ordering process and ending with safe payment and delivery, offering them a seamless experience throughout.
- 
- **Travel:** Virtual assistants can enable you to guide your customers with trip planning, room types, food, trip notes, safety, medical information, backpacking list, climate, and seasonal information



# FUTURE SCOPE

Make it easier to gather and share information



## Improve Lifestyle

- Virtual Assistant(VA) technology has a bright future ahead. In smartphones, they are already capable of scheduling tasks or answering simple questions but in near future You wouldn't need to type, perhaps not even take your phone out of your pocket.
- You could simply literally tell your phone to set an alarm for you, call your friend, type a message & send it, play a particular song, auto switch off at a time you need specify





# CONCLUSION

- Human's lives are made simpler by virtual assistants. An excellent virtual assistant will save time and money by doing the small tasks for you and doing them accurately and with high quality. If you handle the virtual assistant correctly, it will be a boom in your business.
- The major advantage of these virtual agents is that they can undertake jobs that formerly required human expertise, allowing the human employees to offer more value to client encounters by automating routine tasks.
- It will reduce workload and will do ones work in just single voice command.
- More research is required to better understand the use of these devices according to our findings so far.



# FUNCTION OF OUR PERSONAL ASSISTANT

```
105 # Main loop
106 speak("Hello I'm Personal Assistant AI made by Tauqueer Alam, Utsav Kumar, Anup Kumar")
107 while True:
108     command = recognize_speech().lower()
109     if "hello" in command:
110         speak("Hello! How can I assist you?")
111     elif "time" in command:
112         get_time()
113     elif "date" in command:
114         get_date()
115     elif "google search" in command:
116         query = command.replace("google search ", "")
117         search_google(query)
118     elif "news" in command:
119         get_news()
120     elif "send whatsapp message" in command:
121         send_whatsapp_message()
122     elif "open gmail" in command:
123         open_gmail()
124     elif "thank you" in command:
125         speak("You're welcome!")
126     elif "stop" in command:
127         speak("Goodbye!")
128         exit()
```

# OUTPUT OF OUR CODE

The screenshot shows a code editor interface with a dark theme. On the left, there are several icons: a file, a folder, a search bar, a refresh, a settings gear, and a help icon. The main area contains Python code for speech recognition:

```
32     text = r.recognize_google(audio)
33     print(f"You said: {text}")
34     return text
35 except sr.UnknownValueError:
```

Below the code editor, there are tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. The TERMINAL tab is active, displaying the following command-line interaction:

```
PS C:\Users\tauauq\Desktop\AI project> python -u "c:\Users\tauauq\Desktop\AI project\SpeechRecognitionVersion2.0.py"
Hello I'm Personal Assistant AI made by Tauqueer Alam, Utsav Kumar, Anup Kumar
Tell me How can I help you...
You said: time tell me the correct time
The current time is.. 02:52 PM
Tell me How can I help you...
You said: what is today's date today's date
Today is Monday, April 10, 2023
Tell me How can I help you...
You said: thank you thank you
You're welcome!
Tell me How can I help you...
Sorry, I didn't catch that.
Tell me How can I help you...
You said: stop stop
Goodbye!
```

At the bottom of the terminal window, it shows the prompt again: PS C:\Users\tauauq\Desktop\AI project>