David ai assistant using artificial intelligence

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David AI assistant using Artificial intelligence

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Abstract—
My intension of building david ai assistant to automate the rocket lunching system and also we can control an computer system through the vice command of the master user. by the face authentication system master user can get access and he/she can give the commands.
by using the python as developing language and using Arduino uno circuit board to control the launch pad of the rocket after the face authentication of the master user. in computer system the user can experience better and optimised automation experience and master user can rename the assistant.it will offer the functionalities like we can send email through the vice command and it is mainly built for the smart rocket launching system here the master user can give the command and ignition will start and the program will turn on the ignition mode and rocket will be launched so this the functionality of the david ai assistant.

Keywords - david ai assistant,python,Arduino uno,relay module,modes:Listen,Recognise,Speak.

I. INTRODUCTION

Artificial intelligence is the ability of machines, particularly computer systems, to mimic human intellectual functions. Examples of particular AI applications include expert systems, machine learning, natural language processing, speech recognition, and machine vision. Artificial intelligence (AI) will replicate human behaviour and offer greater accuracy than a person. This technology will aid in the discovery of new scientific fields and is useful in the fields of space research, healthcare, and information technology. Intelligent assistants utilise AI to extract crucial facts from massive free-text datasets to improve scheduling
taking over the world is conjured up by AI, this is not how it will work AI is significantly less about any specific format or purpose and much more about the method, the capacity for superhuman thought, and the processing of data. Although the idea of high-functioning, human-like robots taking over the world is controled up by AI, this is not how it will work. It aims to greatly improve human contributions and capacities. It becomes a very valuable commercial asset as a result.

II. LITERATURE SURVEY

The goal of creating David the AI assistant was to automate the rocket lunching system and to enable master user vice-command over computer systems. The master user can gain access and issue commands using the face authentication mechanism.

Python is used as the programming language, and an Arduino Uno circuit board is used to control the rocket launch pad following the master user's facial identification. In a computer system, the user can benefit from improved automation and the ability for the master user to rename the helper. Since it is primarily designed for the smart rocket launching system, it will provide functions like the ability to send email through the vice command. The master user can give the The capability of the David AI helper is that the master user can issue a command that will start the ignition, activate the ignition mode, and launch a rocket.

III. PROCEDURES & SETUP

The David AI assistant functions by using the three modes of Listen, Recognize, and Speak to analyse the user's needs. It will comprehend the user's command and provide the necessary output in this case. The major Python packages used to design and the programme that is integrated with the Arduino Uno circuit for the rocket launching mechanism are pttsx3, speech Recognition, and open CV. The major component used over here is the realy module, and the AI programme assists in activating the circuit through that launching mechanism. signal is accepted, and the operation is finished.

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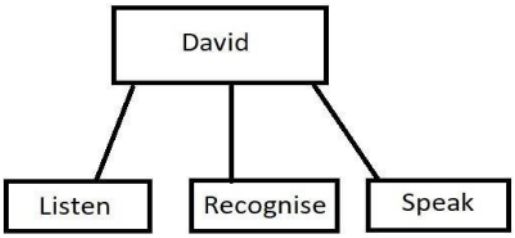
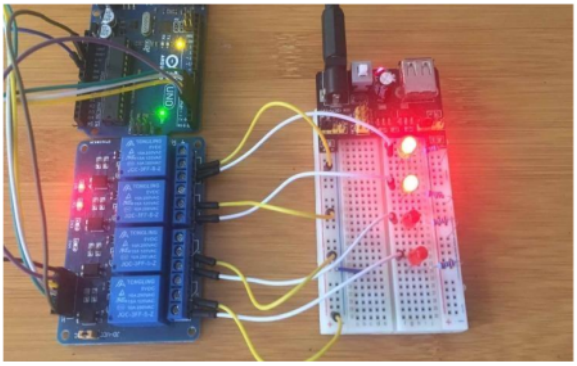


Figure –**David module structure**

The following step will be aided by the Listen module, which will hear the command through the device's microphone. The mechanism of the devid AI is that the recognition engine will examine the user's request, discover the provided instruction in the data set, and pass that data to the next segment speech, giving the user the output or result.



When the user issues a command that converts into a digital signal, the arduino will send the instruction to the realy module, and it will invoke the ignition for the rocket launcher, causing the launch pad to be activated and the rocket to be able to get to a target. The second major functionality of the programme is smart rocket launching system using arduino uno and realy module. The launch pad will be triggered and the rocket will be able to reach its destination when the user delivers a command that is converted into a digital signal. The Arduino will then send the instruction to the realy module. The program's smart rocket launching mechanism, which uses an Arduino Uno and Realy Module, is its second main feature. the program is smart rocket launching system using arduino uno and realy module the program will give the instructions to the circuit and the circuit will get the instruction of the program when user will give the command that will convert into digital signal and arduino will send the instruction to the realy module and it will invoke the ignition for the rocket launcher the launch pad will be activated and rocket will be able to get take off.The launch pad will be enabled, the rocket launcher's ignition will be triggered, and the rocket will be able to lift off thanks to the digital signal and Arduino.

IV. Advantages

Intelligent virtual assistants automate pre- and post-meeting chores like transcribing, note-taking, and follow-up action item management to enhance meeting experiences and boost productivity. They also offer further advantages like translation services and meeting voice control.

- Advanced Search Capabilities.
- The user can customise according to his job needs.
- It will have the ability to launch tiny rockets.
- It is inexpensive and simple to set up.
- Security is ensured by highly robust authentication.

V. CONCLUSION

Both science and myth gave rise to artificial intelligence and machine learning. It has been proposed for thousands of years that machines could think and carry out activities in the same way that humans do. The cognitive realities that AI and machine learning systems express are also nothing new. Human specialists can be surpassed by AI programmes. Finding ways to express the commonsense knowledge and experience that allow people to carry out regular tasks like having a lengthy discussion or navigating a congested street is currently the primary problem facing AI. Such programmes may be executable on conventional digital computers, or we may need to create new machines to accommodate the complexity of human mind.

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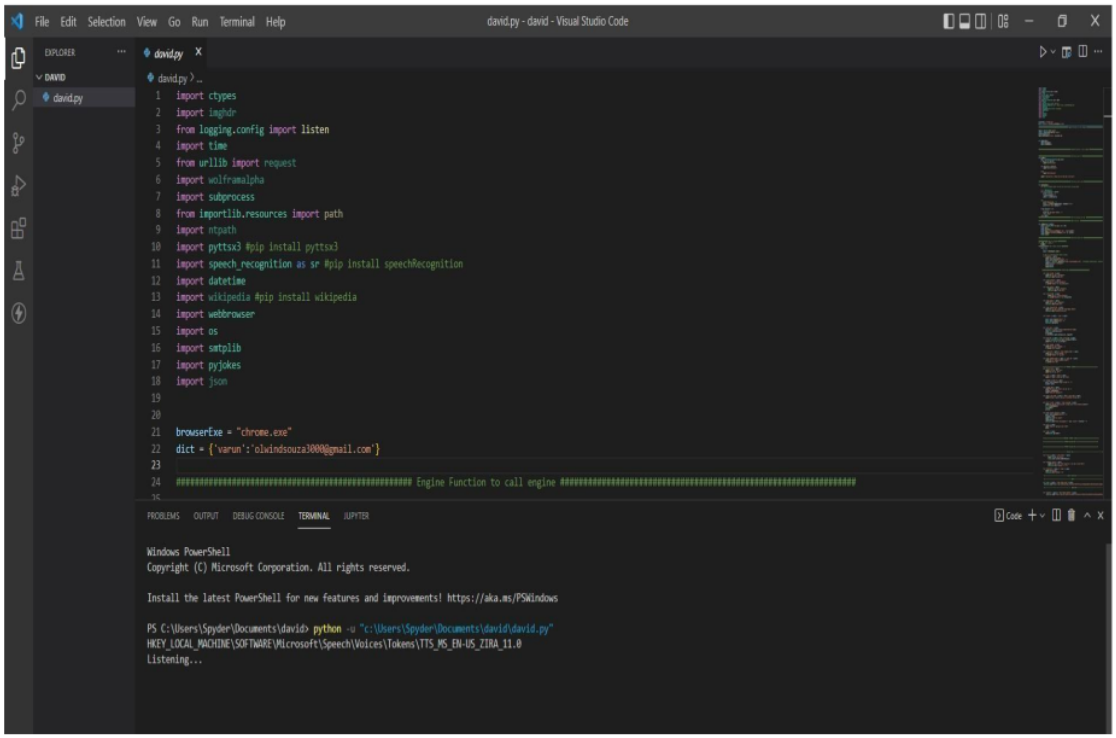
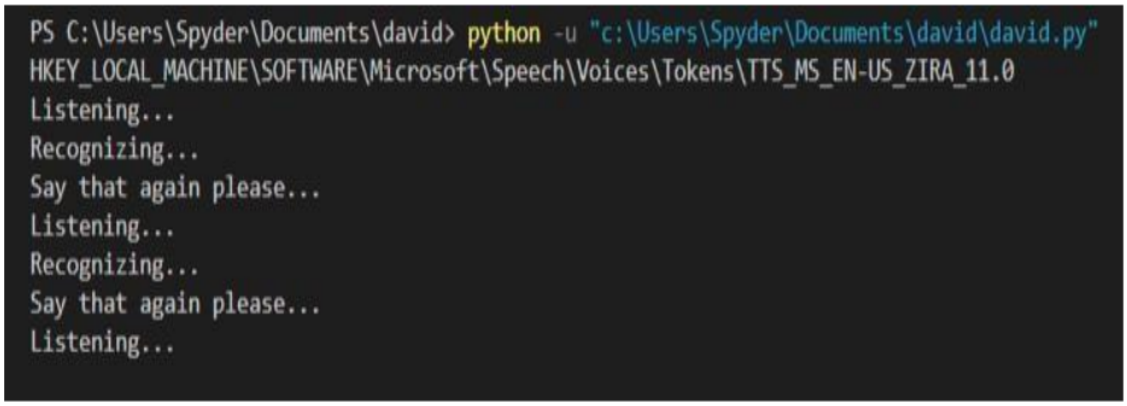
Screen Shot:



1. Program in Execution in background



2. Working of Major Modules

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