**JAIVA**

(Just An Artificial Intelligence Voice Assistant)

**PROJECT SYNOPSIS OF**

MAJOR PROJECT

**BACHELOR OF TECHNOLOGY**

INFORMATION TECHNOLOGY

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**>>INTRODUCTION:**

Voice control is a major growing feature that change the way people can live. The voice assistant is commonly being used in smartphones and laptops.

AI-based Voice assistants are the **operating systems that can recognize human voice and respond via integrated voices**. This voice assistant will gather the audio from the microphone and then convert that into text, later it is sent through GTTS (Google text to speech). GTTS engine will convert text into audio file in English language, then that audio is played using play sound package of python programming Language.

Artificial intelligence can make real-life conversations come to life. While chatbots have been there in the market for some time now, [AI voice assistants](https://verloop.io/blog/how-voice-ai-works/) are relatively a newer buzzword.

Have you ever wondered how cool it would be to have your own A.I. assistant? Imagine how easier it would be to send emails without typing a single word, doing Wikipedia searches without opening web browsers, and performing many other daily tasks like playing music with the help of a single voice command. In this tutorial, I will teach you how you can make your personal A.I. assistant using Python.

**What can this A.I. assistant do for you?**

* It can send emails on your behalf.
* It can play music for you.
* It can do Wikipedia searches for you.
* It is capable of opening websites like Google, Youtube, etc., in a web browser.
* It is capable of opening your code editor or IDE with a single voice command.

**>>MODULES AND DESCRIPTON**

• **SPEECH TO TEXT:** In this module or layer a speech is to be converted into the text, Which can be understandable by the system through the installed libraries.

• **TEXT ANALYSING:** It converts the text for the system, it analyze and then make it into the readable form. Though, Computer understands the command, so virtual assistants like Siri, Cortona so forth converts the text to computer commands.

• I**NTERPRET COMMANDS:** In this layer, mapped PC sends requests to the server through the web. At the same time, as the discourse assessed locally. A nearby recognizer speaks with the server to decide whether the order will be ideal to deal with locally or not. For example Play Music, Restaurant Reservation, Movie Review and so forth.

**>>HARDWARE REQUIREMENTS:**

-i3 Processor(Or More) required.

-4GB(Or More) required.

-Monitor.

**>>SOFTWARE REQUIREMENTS:**

-iOS/Windows7(Or Higher Config.) required.

-Kernel Version 3.0.16 or Higher

- Active Internet Connection.