**Technical Overview**

**1. Modules and Libraries Used**

* **pyttsx3:** A text-to-speech conversion library in Python. It works offline and supports multiple TTS engines.
* **SpeechRecognition:** A library for performing speech recognition, using Google Web Speech API.
* **wikipedia:** A Python library that makes it easy to access and retrieve summaries from Wikipedia.
* **webbrowser:** A built-in module in Python that provides a high-level interface to allow displaying Web-based documents to users.
* **os:** A built-in module for interacting with the operating system (used to open files and applications).
* **smtplib:** A built-in module that defines an SMTP client session object used to send mail to any Internet machine with an SMTP or ESMTP listener daemon.
* **datetime:** A module used to manipulate dates and times.

**2. System Requirements**

* **Python Version:** Python 3.x
* **Operating System:** Compatible with Windows (Tested primarily on Windows due to sapi5 TTS engine use)
* **Microphone Access:** For voice recognition functionality
* **Internet Access:** Required for Wikipedia search, Google/YouTube search, and email sending

**3. Command Flow**

* The program starts by greeting the user based on the time of day.
* It continuously listens for the user's voice commands.
* Based on the recognized command, the program performs the corresponding task, such as:
  + Opening websites or applications
  + Sending emails
  + Taking notes
  + Performing web searches