**SPEECH RECOGNITION AND SUMMARIZER USING NATURAL LANGUGE PROCESSING(NLP)**

**RUNNING THE PROJECT STEPS:**

**The project needs an active internet connection**

* First Import all the libraries

(using pip or conda environment)

* Download and import the chrome driver or any browser driver for the punctuator to work.
* After successful installation create two text files:
* Output file
* Input file
* Run the code in any IDLE
* Speak anything you want to summarize

(But the spoken speech must be a bit long)

* The summarizer will summarize and say out loud the summary

**ERROR HANDLING**

* Ntlk toolkit error may be there
* Install the ntlk data package

(using pip or conda)

* Mic may not take input.

(Check the mic in device manager and check it online for a mic test)

* Speech recognizer might not work: reinstall the SpeechRecogniser (don not specify any version)

**ADDITIONAL INFORMATION**

This project uses NLP with punctuator using neural network trained with more then 4 million words. I have used the punctuator for the NLP algorithm to run, as we need to punctuate he text recognized by the recognizer so as to summarize it.