

ABSTRACT

Speech to text transcriber is an NLP project that use artificial intelligence to recognize words, speech and sounds produced when people talk and converts the message into text. It is based on the ability of a computer to recognize human language and convert the contents of the conversation or the speech into text.

This project is based on the need to improve efficiency, accuracy and reliability in documenting. This program is meant to reduce the energy spent typing or writing by bringing a solution of dictation anywhere anytime, as long as you have your phone with you. This research project is meant to free people from using their hands while interacting with a system and instead use voice especially in transcribing. The user will only need his/her voice as the input tools. Professionals as well as students need such a software for transcribing words to help them save time.

The software which is written in java due to its vast and many libraries, converts analog signal to digital signal for the computer to understand it. It stores and displays the output at the same time. Audio processing is done by using algorithm that recognize sound.

The data collection was carried out mainly through observations.

It was noted that during the research that people needed a new way of doing things. They needed an efficient, accurate and fast way of turning their thoughts to text document. They needed to have to write their mails and messages and give commands by just the word of mouth without having to struggle much