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# Speak to Perform

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# Abstract

Automatic recognition of people is a challenging problem which has received much attention during recent years due to its many applications in different fields. Automatic speech recognition performs well under restricted conditions but the performance get worse in noisy environments.

Our main purpose of the project was to develop a voice recognition system through which we could operate certain commands of computer e.g. open my computer, shut down computer etc. and we have been very much successful in completing our project. We have searched various computer languages in which we could work and we have far felt better with HMM (hidden Markov model) and Java. We have been fully able to train our computer and complete our project.

The development methodology chosen was used to reduce the risk, should the project not be fully completed on time and to be adaptive to unforeseen changes.

# LITERATURE SURVEY


## ABSTRACT:

One of the major problem faced in speech recognition is that the word which is spoken sometimes does not match with the patches or due to environmental issues like noise, voice is not properly recognized.


## INTRODUCTION:

Speech recognition is the ability of machine to identify words or phrases of machine to identify words or phrases spoken. It recognizes human voice and transfers it into machine readable format. There are a lot of application in today which works as voice recognition.

Work on voice recognition was started in 1950's. Early speech recognition applied grammatical rules if the words uttered in a sequence it recognize it else it didn't. Now a day's speech recognition has developed an important area for study and research. Its application include voice user interface e.g. voice dialing.

There are many ways through which we can recognize speech:

- Hidden Markov Model
- Neutral Networks
- Artificial Intelligence

- Dynamic Time Warping (DTW) based speech