Abstract

Speech is the major source of communication. Articulation errors affect a person’s speech in adverse way. Speech language pathologists have to calculate the articulation errors manually amongst the persons suffering from speech problems. This task is very time consuming and exhaustive. Therefore, a system needs to automate this task. This paper presents all the advancements done in the field of speech recognition right from speech classification, feature extraction, speech models and tools by which an articulation error detection system can be built. The objective of this paper is to compare various methods by which an efficient articulation error detection system can be formulated.

References


Index Terms

Computer Science         System Architecture

Keywords

Speech recognition, articulation errors, picture naming task, feature extraction, hidden markov model, vector quantization.