



Multilingual Speech Recognition System in Indian scenario

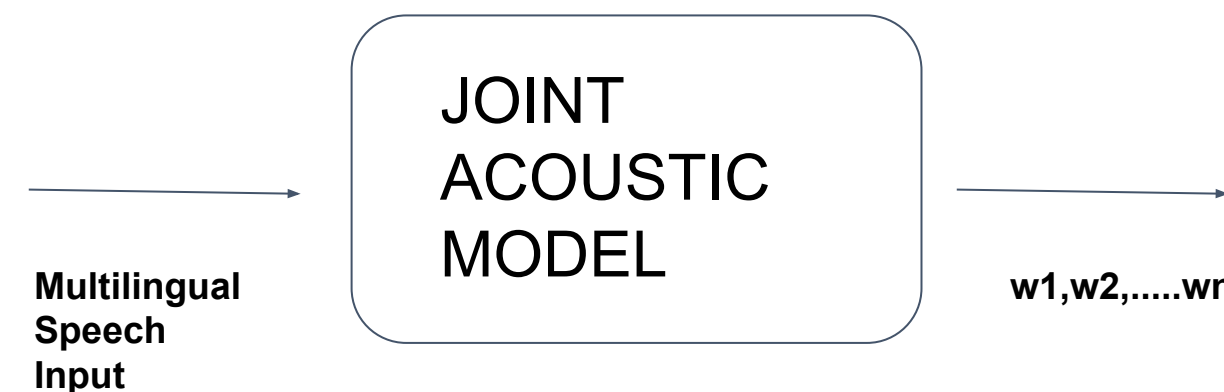
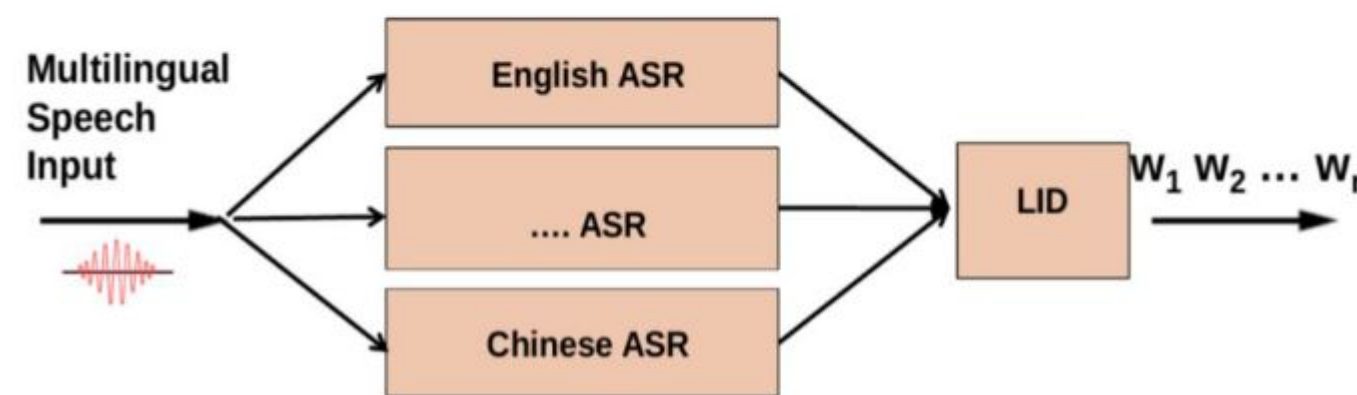
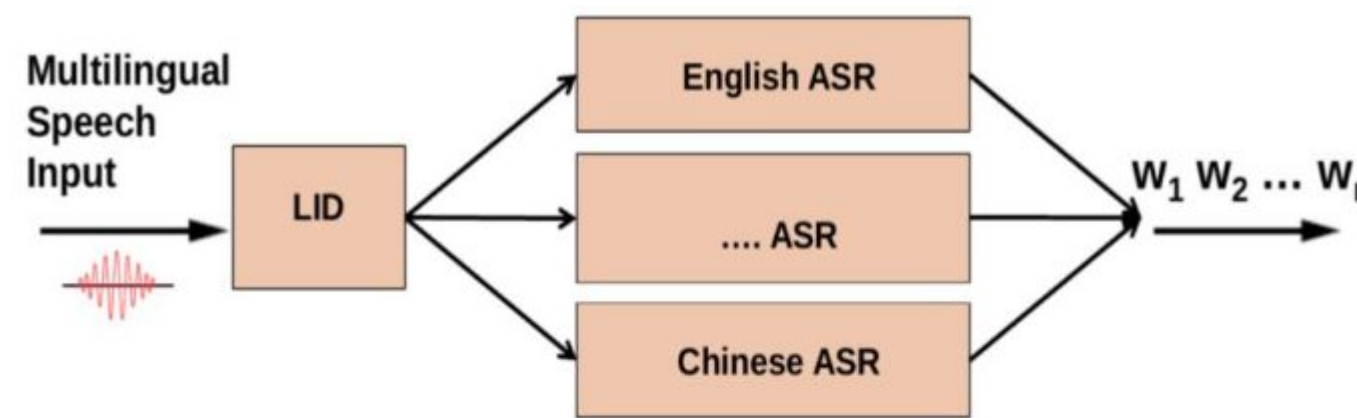
ABSTRACTS

India being a multilingual society, a multilingual automatic speech recognition system (ASR) is widely appreciated. Despite different orthographies, Indian languages share same phonetic space. To exploit this property, a joint acoustic model has been trained for developing multilingual ASR system using a common phone-set.

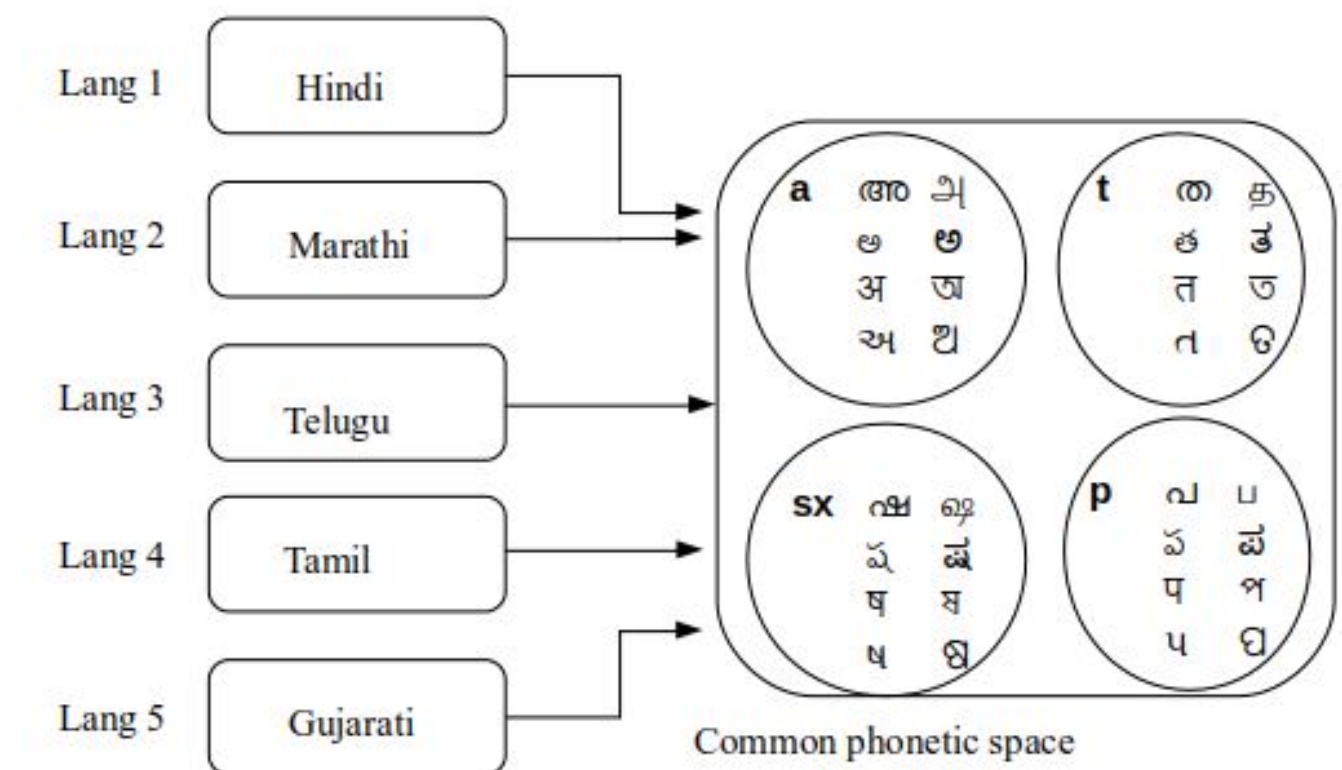
INTRODUCTION

Though multilingual automatic speech recognition (ASR) systems are widely appreciated in India. Minimal attempts have been made due to the scarcity of resources required for developing state-of-the-art large vocabulary continuous speech recognition (LVCSR) systems. Resources required for developing an ASR system can be broadly grouped to two aspects i.e., transcribed data and pronunciation models. As Indian languages are syllabic in nature, the pronunciation models could be generated from a simple rule-based parser.

METHODS



Lexicon	
abalos	aa b aa l ow z
abandon	ah b ae n d ah n
abandoned	ah b ae n d ah n d
abandoning	ah b ae n d ah n ih ng
abandonment	ah b ae n d ah n m ah n t
abandons	ah b ae n d ah n z
अकारंटिंग	a k aa u q tx i q g
अकारंटेंट	a k aa u q tx ee q tx
अकारंटेंटपदों	a k aa u q tx ee q tx a p a d o q
अकारंट्स	a k aa u q tx s
अकादमिक	a k aa d m i k



For Demo::
Please visit <https://asr.iiit.ac.in/>