



ASR development for Indian languages

Aim of the project : To build a Automatic Speech Recognition System for Indian Languages

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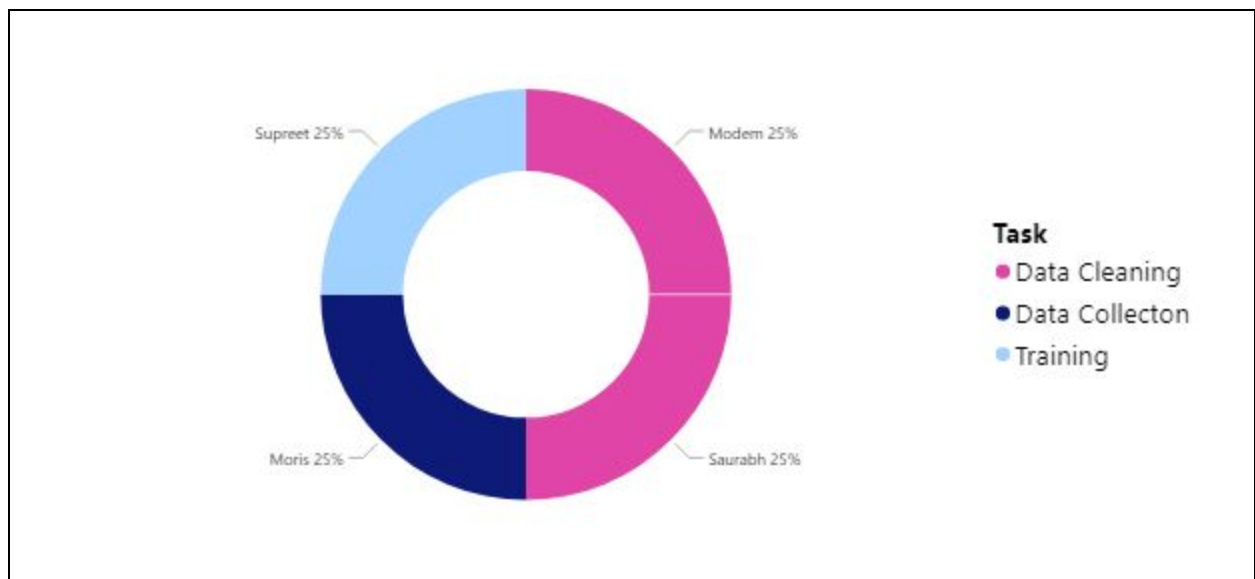
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Project Details :

Automatic Speech Recognition (ASR) is the process of deriving the transcription (word sequence) of an utterance, given the speech waveform.

This Project is all about developing ASR for Indian Languages which identify voice and create transcripts of that . We are mainly focusing on Hindi,Telugu,Tamil,.etc.

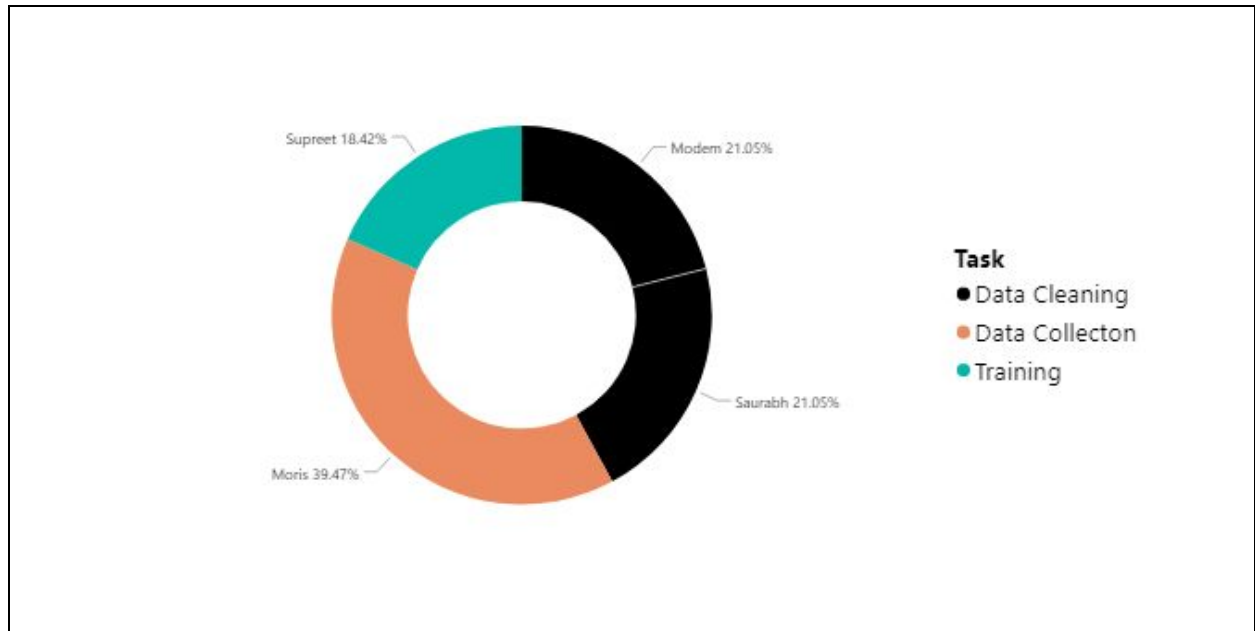
Work Division :



- ★ Total work is divided into 3 parts Data Collection , Data Cleaning and Training . In data collection the main motive is to collect 200hrs of audio files and related transcripts. Data cleaning involves cleaning advertisements which are extra parts in an audio and no transcripts are available for that. It also needs a little cleaning work in transcript files and finally training involves building models for ASR .
- ★ We are following Agile methodology to achieve this project .

Note : There might be few changes in the work division in coming days.

Work Progress



Works are going in parallel . But the data collection part is a bit advanced because it's an initial step to be done.

GANTT Chart :



Above figure shows every detailed information about my team work . In bars the blurred part is % of work we have finished and dates are given at the top of the bars .

