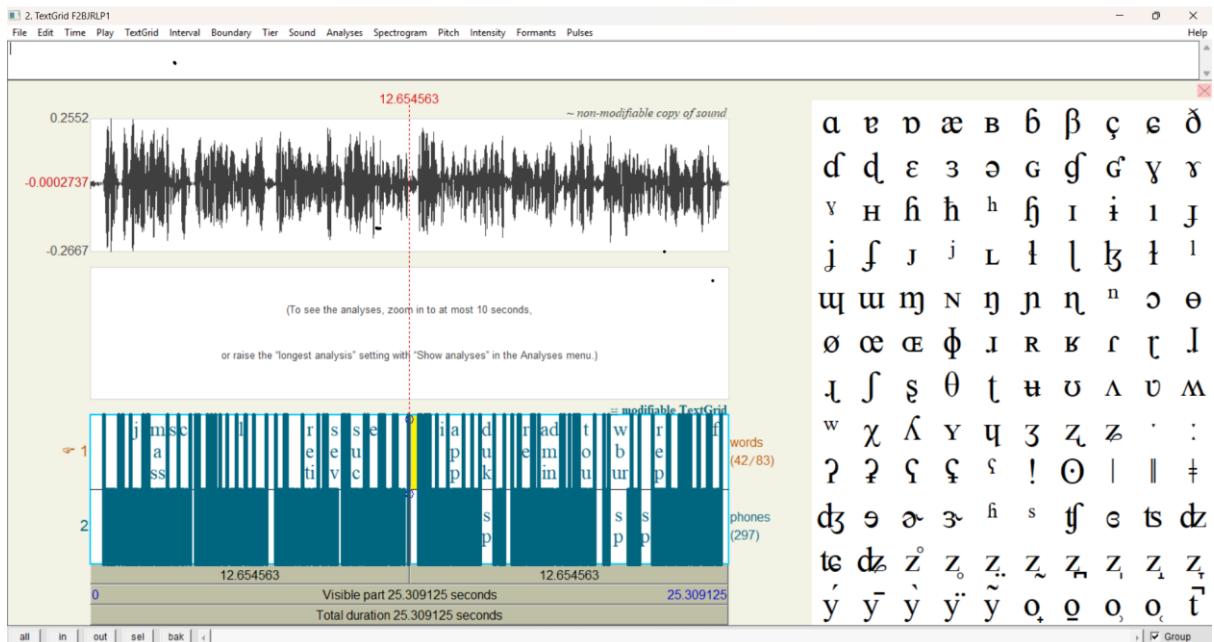


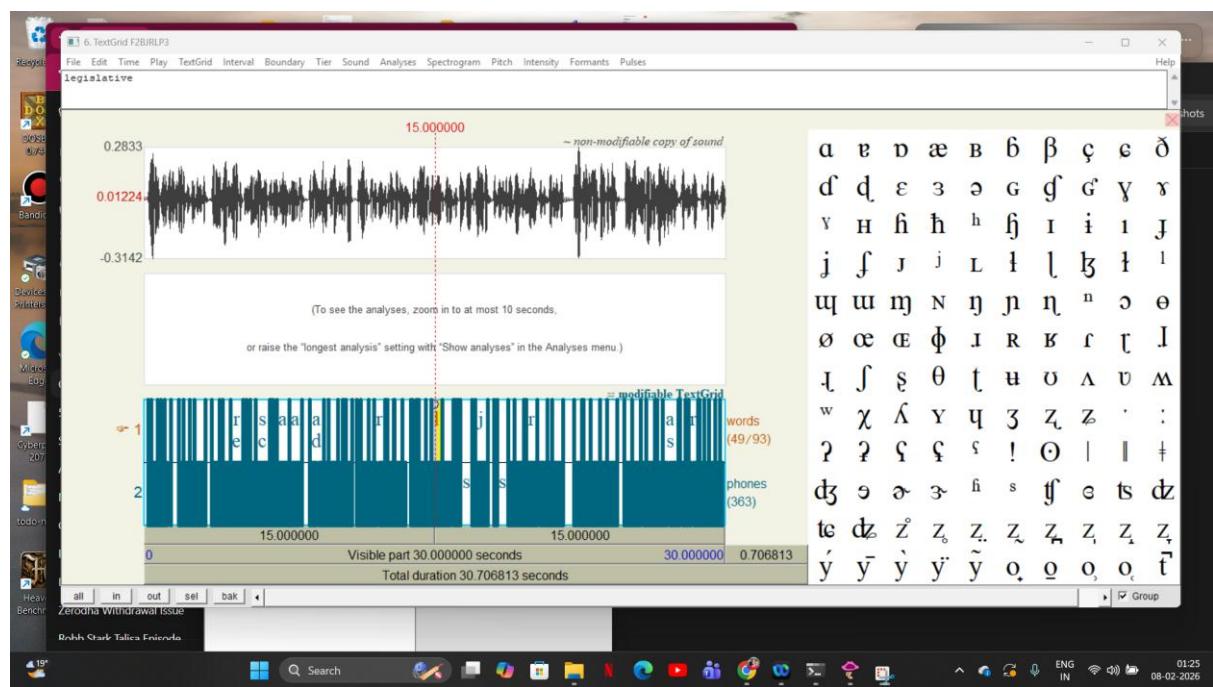
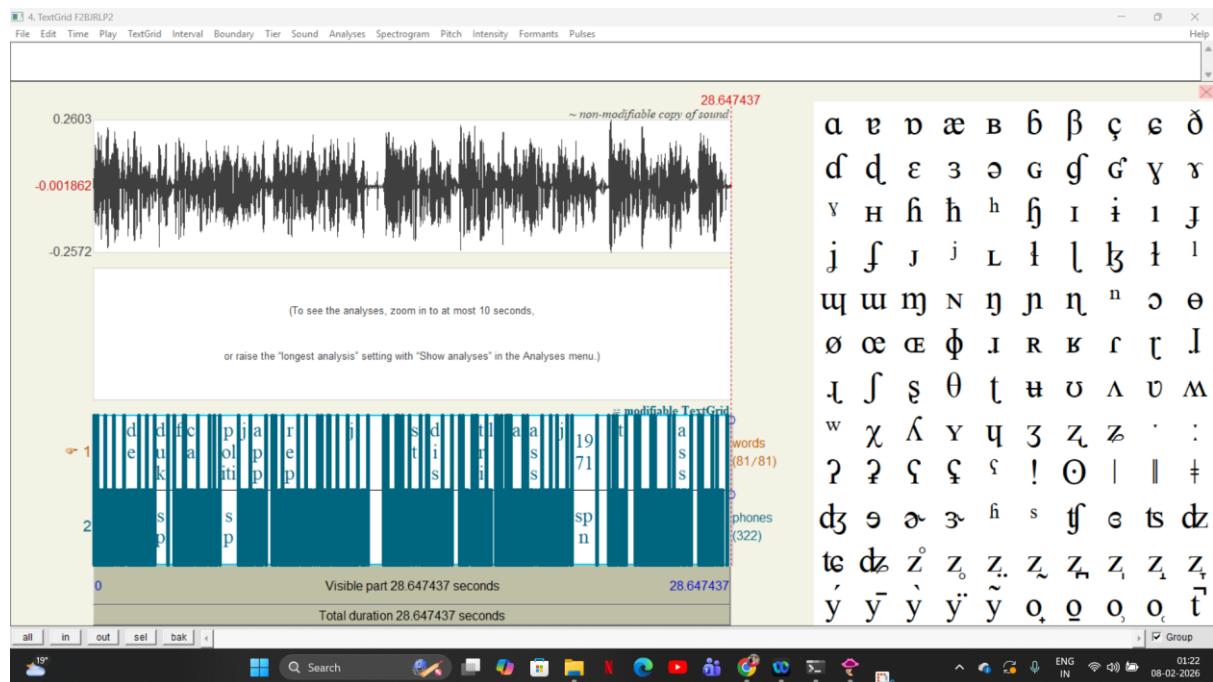
REPORT:-

- 1) Forced alignment performed on speech dataset with MFA.
- 2) In initial alignment the english_us_arpa acoustic model and dictionary were used.
- 3) Visualization was done in praat for textgrid files containing word and phone tiers that were generated.
- 4) Some domain specific words were missing before oov handling.
- 5) Iiit, Hyderabad and dataset were oov words.
- 6) With help of MFA G2P model, pronunciations for oov words were generated and it was supplied with custom dictionary.
- 7) After re-alignment was done, improvement like word coverage, fewer gaps and more consistent boundaries were visible in textgrids.
- 8) Below screenshots before oov confirms improved quality after oov handling.

OUTPUT SCREENSHOTS:-

Before OOV





After OOV

