

## TESTING CRITERIA FOR TTS MODEL ON YORUBA PROVERBS

### 1. Intelligibility (Can understand it?)

- **Word clarity:** Are individual words clearly pronounced?
- **Segmentation:** Does the TTS avoid merging or splitting words unnaturally?
- **Error impact:** Does a mispronunciation change the meaning (e.g., *ìyà* “suffering” vs *ìyá* “mother”)?

### 2. Tone Accuracy (Is the pitch pattern right?)

- **Lexical tones:** Yoruba has 3 tones (High, Mid, Low). Wrong tone = wrong meaning.
- **Disambiguation:** Does tone help distinguish homophones (e.g., *owó* = money, *òwò* = Business, *ọwọ* = hand, *Ọwọ* = name of a Town, *ọ̀wọ* = respect)?

### 3. Naturalness (Does it sound like a native speaker?)

- **Fluency:** Smoothness, absence of glitches or over-articulation.
- **Voice quality:** Pleasantness and appropriateness of the synthetic voice
- **Accent authenticity:** Does it sound like Yoruba or like a Yoruba accent forced on another language?

### 4. Semantic Correctness

- Does the proverb retain its meaning when the speech model says it?

### 5 Does it sound like "human" or "machine-like"?

