

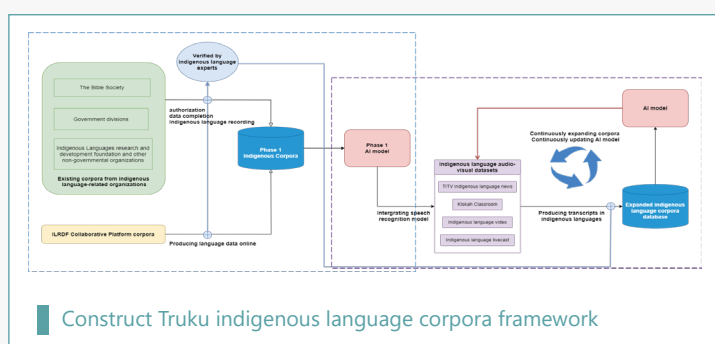
Development and Educational Application of Indigenous Language Artificial Intelligence Technology Platform

補助機構：
國科會人文處
以包容為導向
之科技計畫

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There are 16 indigenous tribes comprising 42 dialects in Taiwan. As a result, several indigenous languages have been assessed by the United Nations as severely endangered. We integrate AI, educational expertise, and indigenous language knowledge to develop an indigenous language AI educational application platform. The major goals: (1) Construct Taiwan' s first complete indigenous language corpora. (2) Develop several indigenous language AI models (MMT, ASR, TTS). (3) Develop an indigenous language literacy AI test and self-study service platform

Current status: (1) We collect and process existing corpora from Truku indigenous language-related organizations (more than 100,000 sentences, 10,000 audio files). (2) We develop a collaboration platform for indigenous language recording. (3) Train MMT, ASR, TTS AI models to develop application platform.



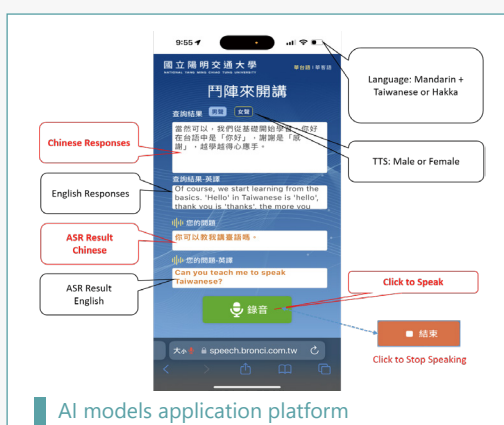
Recording Truku indigenous language

可點選頁面上方不同來源與分類，請挑選某單句子，點選句子左方「點選進入錄音頁面」按鈕進行錄音頁面進行錄音，「點選進入錄音頁面」按鈕若為紅色表示該單句子已錄製過，藍色則為未錄製過。

Source: 族語E樂園 Class: 情境族語

Recording Truku Chinese

Enter	Mika su qmbahang ka kari mu hug?	你聽得懂老師的話嗎?
Enter	Mtgsa,ini ku kla.rngaw pxal duri hug?	老師，我不懂，可以再說一次嗎?
Enter	Ini ku qbahang, paru hari hngaw su rmgaw hug?	我聽不到，可以大聲一點嗎?
Enter	Qita hini, purug knan spug pxal.	請看這裡! 跟著我聽一遍。



The interface shows a mobile application for the National Central University (NCHC) with the title "門陣來開講" (Let's Open the Door). It includes a language selection dropdown (Language: Mandarin + Taiwanese or Hakka), a TTS gender selection (TTS: Male or Female), and a recording button (錄音). The interface also displays Chinese and English responses, ASR results in Chinese and English, and a "Click to Speak" button. The URL speech.bronci.com.tw is visible at the bottom.