

CMKL AI Innovator

3 Minute Edition

Red = Elle Pink = Noei Green = Jean Cyan = All

AI Discovered in the 1950s serves a purpose of improving and enhancing lives consistently developed over the past few decades yet there remains a vast amount of visually impaired individuals not getting benefits from this advanced technology making over 95% of blind people cannot read braille globally causing educational inequalities thus having limit access to information and trapped in a box of unopen opportunities just because they are blind

Even though there are several technologies present but can never be properly used such as braille displays costing over 10k USD and braille books having limited information while both solutions cannot be used without a teacher's guidance making these solutions unfit. With the lack of teachers blind people have no access to personalized lesson even though in the law of Thailand it states that all blind people must have personalized lessons

So, we decided to create an artificial teacher capable of teaching braille and more for blind people through an affordable braille display and this innovation is called EIBraille

EIBraille consists of 7 AI implementations starting with account system for security and "EASY" of usage for the blind Elbraile using Face recognition of "KNN" and Speaker Recognition "CNN" for those signup and login

Interactive Learning System uses Text-to-Speech and Speech-to-Text to create an inclusive, conversational learning environment with AI voice guidance and voice-command exercises.

The first ever generative model for the blind with EIBrailleGPT, a personalized AI lesson generation, fine-tuned from Llama 3, generates customized lessons and engages users in real-time conversations, ensuring every learner receives tailored support. Like learning with a real teacher

Braille Translation Model, trained using Helsinki-NLP, converts PDFs and text documents into braille, making online resources instantly accessible for the blind easily.

With the EIBraille-Box, priced at just \$100 USD and 30% profit per margin, is 140 times more affordable than competitors and integrates the entire EIBraille ecosystem—offering not just a device, but a gateway to limitless learning.

We aim to sell our product to blind people associated with the government in Thailand which is our scalable obtainable market of over 200k blind people generating over 6M USD in profits to scale up to a bigger market segmentation with our main channel of sales though B2B2C and B2G business plan

Without EIBraille the world will continue to be inequal and blind people are looked down upon but with EIBraille all blind people will finally get to live just like all of us we're building an inclusive learning opportunity where no blind person is left behind. Let's create a world where blindness is no longer a barrier to knowledge and opportunities, and everyone has a chance to reach their full potential with EIBRAILLE!