

<https://smartvoice.vnpt.vn>



**Smart Voice**

Powered by  VNPT AI



# BENEFITS FOR CUSTOMER



VNPT Smart Voice platform with **AI Assistants** allows text-to-speech conversion with human intonation and rhythm, as well as the ability to convert to text from a live audio stream or from audio files with many different formats. Also, **VNPT Smart Voice** supports personal identification through voice biometrics to enhance security in online transactions and device usage

With **VNPT Smart Voice**, we desire to create breakthroughs for the community on the journey of applying 4.0 technology



## Saving

Time and Cost



## Personalization

Enhances User Experience



## Easy Integration

Apply in many fields



## Enhanced security

In online transactions and user's device usage



## Process optimization

Improve businesses efficiency

# OUTSTANDING TECHNOLOGY

**VNPT Smart Voice** is developed based on the most advanced AI technologies

## Natural Language Processing

Comprehensive language processing: analyzing sentences, phrases, synonyms, acronyms, misspellings, etc. Thereby helping Smart Voice's voice to have intonation, rhythm, and naturalness like real people

## Deep Learning

Deep Learning technology learns on big data to AI models have high accuracy, natural pronunciation like human

## SSML

Speech Synthesis Markup Language Control rhythm and allow customization of reading, pause, and other speech parameters

## Quantization

Quantization technology increases processing speed and response to high load

## Voice Verification

Voice Verification is one of the biometric methods that supports personal identification through voice biometrics to enhance security in online transactions and device usage

## TTS Text to Speech

Convert text-to-speech, providing a variety of regional voices and allowing customization of intonation and speed

## STT Speech to Text

Convert to text from live audio stream or audio files in various formats

# OUTSTANDING FEATURES



## Diverse regional accents and intonation

VNPT Smart Voice provides male and female voices from different accents according to the characteristics of Vietnamese language in two forms: reading books and reading newspapers. Also allows adjusting intonation, speed to fit with each context

## Natural voice

Automatic input normalization such as numbers, days, months, addresses, etc. as well as predicting how to read foreign words accurately according to international conventions. Supports creating a phonetic dictionary of how to read words and allows adjusting pauses according to user needs



## Meet a variety of audio input

Support converting to text from live audio stream or from audio files of different formats such as .wav, .mp3 with large capacity, prolonged voice time

# OUTSTANDING FEATURES

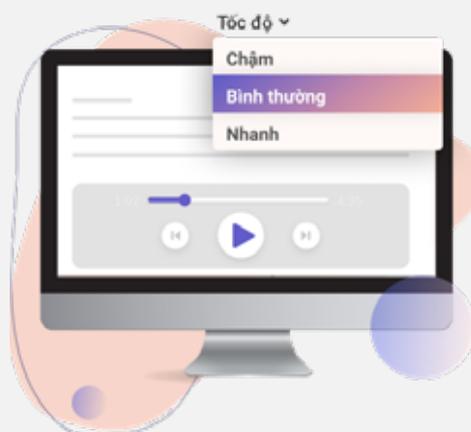


## Voice Verification

Voice biometrics-based user identification and authentication for enhanced security in online transactions and device usage

## Fast processing speed, high accuracy

All AI models and processing blocks of VNPT Smart Voice are optimized on GPU hardware for fast data processing speed, large load response and high accuracy. VNPT Smart Voice is also optimized for connection, supports gRPC protocol according to Google standards, and speeds up x5 times



## Easy Usage and Integration

VNPT Smart Voice allows to use directly on the product website or integrate with other systems via API/SDK. At the same time, VNPT Smart Voice easily integrates with various products in the VNPT AI galaxy

# VNPT Smart Voice

Pioneering in every fields

## Text to Speech



Audio book,  
Audio  
Newspaper



Smart Radio



Virtual  
Assistant,  
Callbot



Making  
E-Lectures



Making  
Videos

## Speech to Text



Virtual  
Assistant,  
Callbot



Transcript Meetings,  
Seminars, etc  
(online/offline)



Recording  
E-Lectures,  
Teacher's  
comment



E-Medical  
records

## Voice Verification



Making  
online  
transactions



Using  
devices



Control IoT  
devices



Verify the  
suspect

# CHARACTERISTIC HIGHLIGHTS



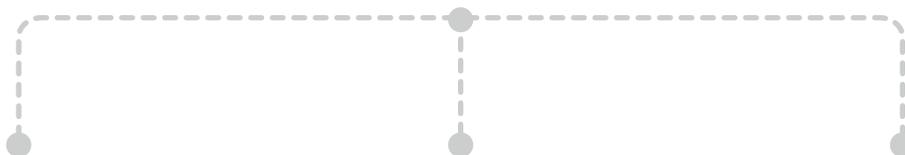
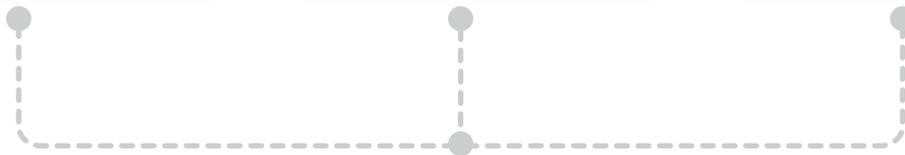
Provide a secure on-cloud platform



Traning AI models on big data and response high load



Utilizing the most advanced AI technologies in speech and language processing



Easy integration with any products in VNPT AI galaxy and external systems



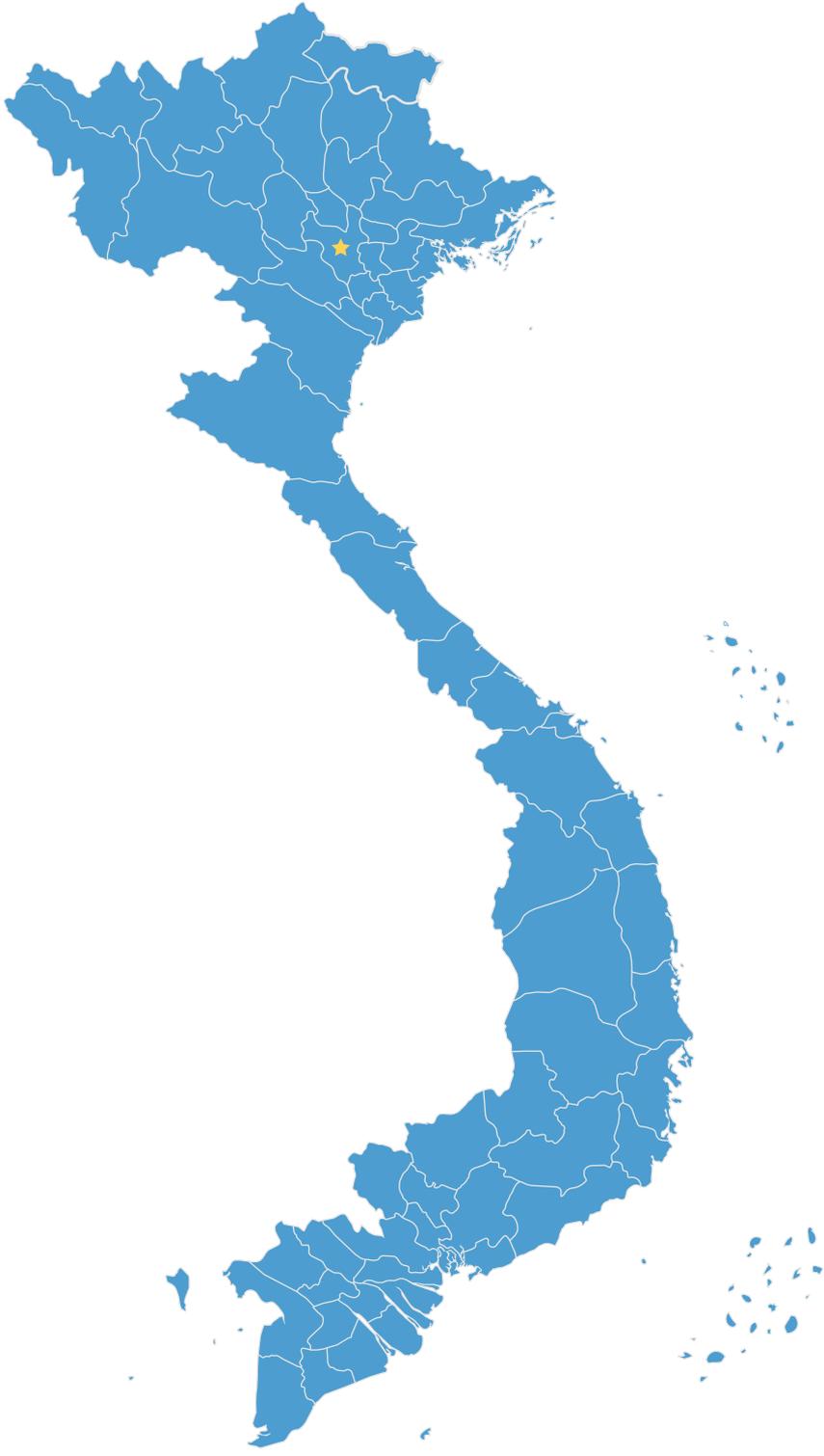
Sales distribution system and support for widespread deployment



Optimal processing for Vietnamese, training on Vietnamese data and exclusively for Vietnamese people

# WHY CHOOSE VNPT?

The leading information technology provider in Vietnam



**55**

Top 55 Telecommunication Brands worldwide

**3.000+**

IT engineers

**100+**

Experienced AI experts



Available nationwide



Easily integrated



24/7 Support



<https://smartvoice.vnpt.vn>



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