

## Adi Vaani

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### Adi Vaani Latest News

The Ministry of Tribal Affairs, Government of India, is launching the Beta Version of “Adi Vaani” language translator.

### About Adi Vaani

- It is an **AI-based translation tool** that serves as the foundation for a future large language model dedicated to **tribal languages**.
- It is India's first **AI-powered translator for tribal languages**.
- It is developed under the banner of **Janjatiya Gaurav Varsh**.
- It is designed to **bridge communication gaps between tribal and non-tribal communities**, while safeguarding endangered tribal languages using advanced Artificial Intelligence (AI).
- The project combines advanced AI technologies with community-driven approaches to protect, promote, and revitalize tribal languages and cultures across India.
- It is developed by a national consortium of premier institutions led by **IIT Delhi with BITS Pilani, IIIT Hyderabad, and IIIT Nava Raipur in collaboration with Tribal Research Institutes (TRIs)** in

Jharkhand, Odisha, Madhya Pradesh, Chhattisgarh, and Meghalaya,

- **The project aims to:**
  - **Enable real-time translation** (text and speech) between Hindi/English and tribal languages.
  - Provide **interactive language learning** for students and early learners.
  - **Digitally preserve folklore**, oral traditions, and cultural heritage.
  - **Support digital literacy**, healthcare communication, and civic inclusion in tribal communities.
  - **Awareness of the government. schemes** and important speeches
- **Scope & Languages:** In its Beta launch, Adi Vaani supports Santali (Odisha), Bhili (Madhya Pradesh), Mundari (Jharkhand), Gondi (Chhattisgarh)

## Methodology & Features of Adi Vani

- **AI Language Models:** Refined deployment of models such as **No Language Left Behind (NLLB)** and **IndicTrans2** for low-resource tribal languages.
- **Community Participation:** TRIs, experts, and communities are involved in data collection, validation, and iterative development.

## Functional Toolkit of Adi Vani

- Text-to-Text, Text-to-Speech, Speech-to-Text, Speech-to-Speech translations.
- **Optical Character Recognition (OCR)** for digitizing manuscripts and primers.
- Bilingual dictionaries and curated repositories.
- Subtitles for Prime Minister's speeches, health advisories (e.g., Sickle Cell Disease awareness), and information on government schemes and initiatives in tribal languages.

**Source:** PIB

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Source: <https://vajiramandravi.com/current-affairs/adi-vaani/>

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