NUTAAN AI · PARTNERSHIP OVERVIEW

Nutaan Pravaak

Let’s give speech back, together.

A headband that speaks for people who lost their speech after a stroke, in their own language. We are looking for partners to build and test it with us.

प्रवाक · Sanskrit for “the one who speaks”
Concept in development · not a medical device



THE PROBLEM

A stroke can take speech away. The mind stays clear.

He knows what he wants to say: “I’m in pain”, “Call my daughter”, “I need water”. The words don’t come out.

15–22 lakh

strokes in India every year

Incidence of about 105–152 per 1,00,000 people

~6 lakh

new people lose speech each year

Aphasia after stroke, about 43 per 1,00,000

~20 lakh

Indians living with aphasia today

Estimate from Indian neurology experts

Sources: PMC6472241, PMC4782523, Pauranik et al. 2019 · figures approximate

WHAT FAMILIES DO TODAY

Today, families guess.

Gestures and guessing

Free, but slow

Pointing, nodding, trial and error. Frustration on both sides, many times a day.

Picture and letter boards

Needs someone beside him

Works only when a caregiver is in the room. No way to reach family who are away.

Tablet speech apps

Needs hands that can tap

A stroke often weakens one side of the body. Tapping a tablet all day is hard.

Imported speech devices

Several lakh rupees

Built for the US and Europe, English-first. Out of reach for most Indian families.

None of these speaks Indian languages hands-free and calls family when he needs help.

MEET PRAVAAK

A headband that speaks for him.



Speaks what he means

Out loud from the band, in Hindi, Marathi, Bengali and 30+ Indian languages.

Calls family or the doctor

The Nutaan AI agent places the phone call and speaks for him.

Sends alerts

“I’m in pain” reaches the family app straight away.

Hands-free

No tablet, no typing. He wears it like a headband.

Concept in development · not a medical device

HOW IT WORKS

Sense. Understand. Speak.

1 · Sense

The band reads small signals

Dry sensors on the forehead pick up muscle and brain activity. A motion sensor reads nods and head turns.

2 · Understand

Nutaan AI finds what he means

It picks the right phrase from his personal list and builds a full sentence in his language.

3 · Speak

Out loud, or on a call

The band’s speaker says it. Or the Nutaan voice agent calls his daughter and tells her.

Version 1 is a phrase picker he controls with a nod or a blink. Free-form intent comes later, learned from pilot data.

WHY NUTAAN

The hard part is already built.

Pravaak runs on the same voice platform Nutaan sells to businesses today.

30+

Indian languages

Speech in and speech out, with natural Indian voices.

Live

AI phone calls

Voice agents that call, listen and reply, in production with businesses today.

India

Telephony and cloud

Indian phone numbers and calling already connected.

New

Only the band

The headband hardware and the intent model are the new work.

WHO WE WANT TO WORK WITH

Partners who care for the people who can’t speak

Hospitals and rehab centres

Neurology, stroke and rehab units

Run a joint pilot with your patients and give them a voice during recovery.

Therapists

Speech therapists and physiotherapists

Shape the phrase lists and therapy flow, and measure the outcome.

Insurers, CSR and NGOs

Funding access for families

Sponsor bands for patients who can’t afford them, and reach more homes.

Research and hardware

Institutes, labs and manufacturers

Co-develop sensors, signal models and production with us.

HOW A JOINT PARTNERSHIP WORKS

We build it. You bring the care. Together we prove it.

Nutaan brings

- Pravaak bands for the pilot, at no cost
- Family app, AI voice and AI calling in 30+ Indian languages
- Setup, training and support for your team
- Patient data stored in India, with consent

The partner brings

- Patients who can’t speak after a stroke, with family consent
- A clinical lead and therapist feedback
- Ethics approval and outcome tracking
- Co-authorship on results; a path to wider rollout

A first pilot: about 3 months, 10–30 patients, results shared with both teams.

NEXT STEPS

Start a joint pilot

Step 1

Intro call

30 minutes to see the concept and agree the goal.

Step 2

Pilot plan

Patients, timeline, outcomes and consent, written together.

Step 3

Go live

Bands delivered, team trained, first patients speaking.

COMING SOON

nutaan.com