



$$(a+b)^2 = a^2 + b^2 + 2ab$$



sign meta

Explores Novelty In Deaf Learning

All Children Should have Equal Opportunity to get Quality Education



Problem Statement

Hearing Impaired (Deaf) Students face problems a lot in understanding and make use of the academic subjects in an appropriate manner. Only the 2- 5% of Hearing Impaired (Deaf) Students enrolled in Higher education and professional courses.

Only below 387 schools are actually trying to provide teaching and learning approaches through sign language. In India, the special schools for Deaf/ Hearing Impaired are providing educational services for not more than 5 lakh Hearing Impaired Students in a academic year.

There are extremely few resources (Visual aids, sign content, 2D & 3D Models, Techno-pedagogy, and digital equipment) accessible for hearing impaired students, no particular curriculum framework and teaching learning environment for the deaf students.

One of the biggest challenges is lack of involvement of sign language trainers and interpreters in the teaching and learning process for the deaf students. Only 364 Indian Sign Language experts /trainers are providing education and skill services for the Hearing Impaired Students out of 450+ interpreters who were obtained certification.



Solution Proposed

BLENDED LEARNING

Integration of Indian Sign Language with 2D/3D animation videos and academic subjects topics.

It ensures that Students with Hearing Impaired able to understand logical concepts, get a advanced learning approach, participate in conversations with their peers, develop confidence and perform better in a competitive global job market.

Provides access to technology while encouraging self-learning among students with hearing loss.

A good team of teachers designed best streaming shaped content through the privileged Sign Language (ISRTC free access dictionary) to encourage Hearing Impaired students to become a masters in science and mathematics.





Product/Service



The e-Sign Meta app., has been planned for K12 version; however it is equipped to give access for the classes 3rd -10th with a focuses core subjects.

Designing and Video Making:

The curriculum format designed the best streaming-shaped content through the privileged Sign Language (ISRTC free access dictionary) for 3-10th classes (integrated syllabus state and CBSE). For the benefit of viewers, the interpretation videos are partially layered on the original e-learning video in this prototype.

Trained Hearing Impaired Instructors: 12
Interpreters : 05
Subject Matter Experts: 08

Production phase

Shooted videos and e-learning content is synchronized in this phase.
A total of 5 departments and 40 creative designers work in this phase.





Advantages/ Benefits



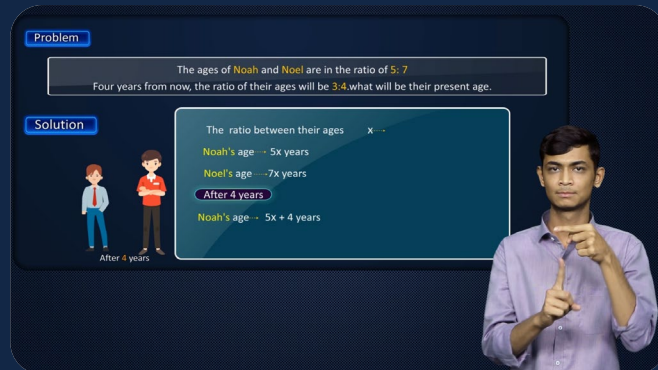
Stimulation by Indian sign language (ISLRTC)

For Hearing-impaired Learners;
By Hearing-impaired instructors

Reaching Digital Equalizer and
STEM learning Approach

Hand on ... mind on

Eye catching videos



Continue Learning..... feels like having a teacher with
them 24/7 (all time).

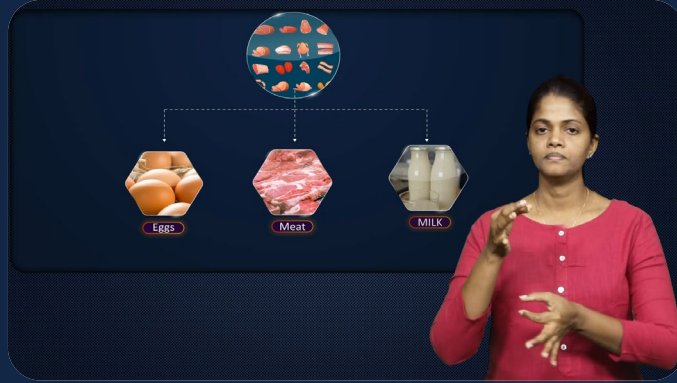
Practice assessments for self-learning.....

Thematically linked videos for Sign-visual aid.....

parents & Teachers Involvement.....



Impact Created



The entire content for each theme was recorded in a sequence of 2D/3D videos using Indian Sign Language. Additionally, all videos are designed with subtitles so that viewers can read the content and understand what students expected.

It strengthening Children with Hearing Impaired with courage, providing them a wider perspective of better roads ahead, and integrating them into society as a whole.

Reach a universal education program by enabling deaf students to become knowledge owners.

Students with Hearing Impaired gain liberty from the conventional education approach and overcome the stigma of disability.

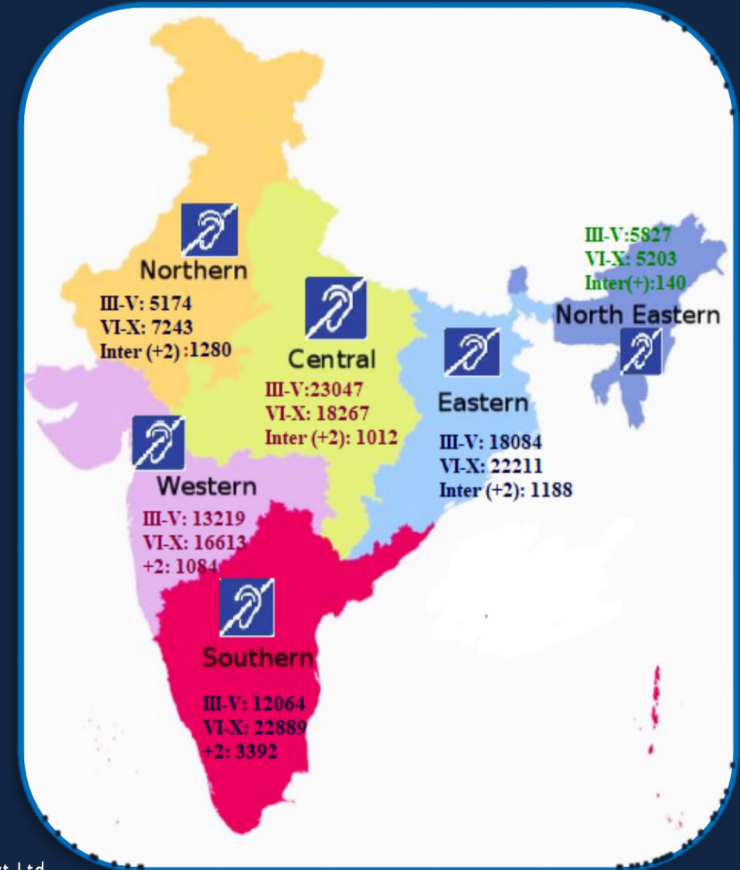
This e-learning app is useful for youth who are preparing for competitive and career exams, even if they are not students of the same classes.





Target Market

The “Unified District Information System for Education (UDISE+)” report revealed that during the current academic year, 1,80,000 hearing-impaired students are enrolled for 3rd to 12th grades in all states and union territories of India.





Indian Sign Language and Research Centre: prepared videos for main academic and General Concepts (Meanings) with 10000+ sign language dictionary

National Institute of Open School (Free Access): 320 videos - English language ,and main Academic concepts .

NGOs (Non Government Organizations): General concepts for conversation for daily uses

YouTube Channels: Did not follow the proper Indian Sign Language (Used local/ regional Signs)

pH IN OUR DIGESTIVE SYSTEM

pH in stomach

HCl helps in digestion of food

Activity

Name of the student	Food eaten
Deepu	Apple, Banana, Milk, Bread, Rice, Curry & Roti
Harsha	Apple, Mango, Guava, Pineapple, Watermelon
Kavya	Apple, Bread, Rice, Curry
Ranjith	Apple, Bread, Rice, Curry



Support needed/ Traction

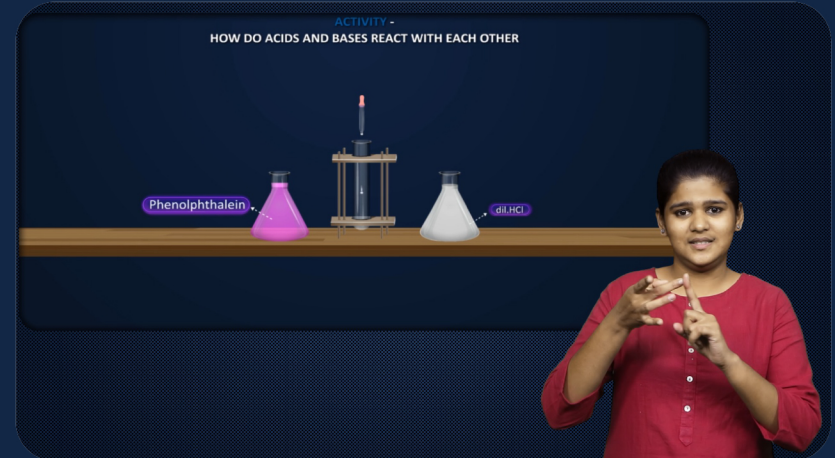
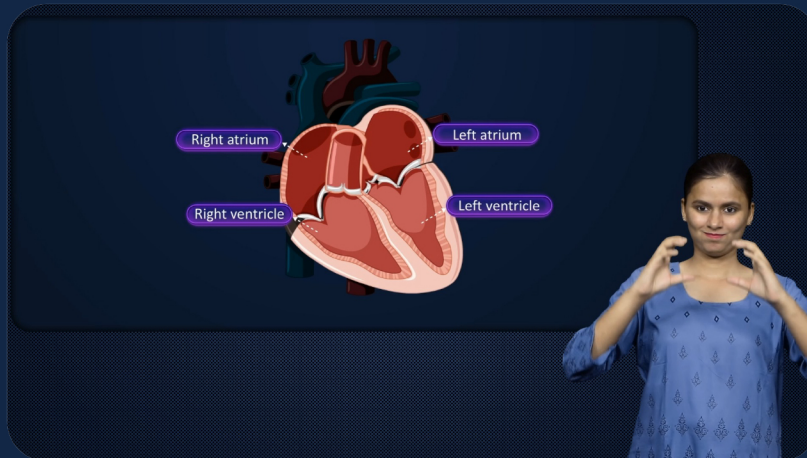
To facilitate this, e-Sign Meta is introducing e-learning technologies into both K-12 and elevated education. They can learn a variety of skills like using computers and communication equipment during their education. For this, e-Sign Meta has developed an e-learning app with the hope that children with Hearing Impairments will get a better education and have more career options. However, achieving this is difficult for an individual or group, so we are looking forward to your support in this noble cause.



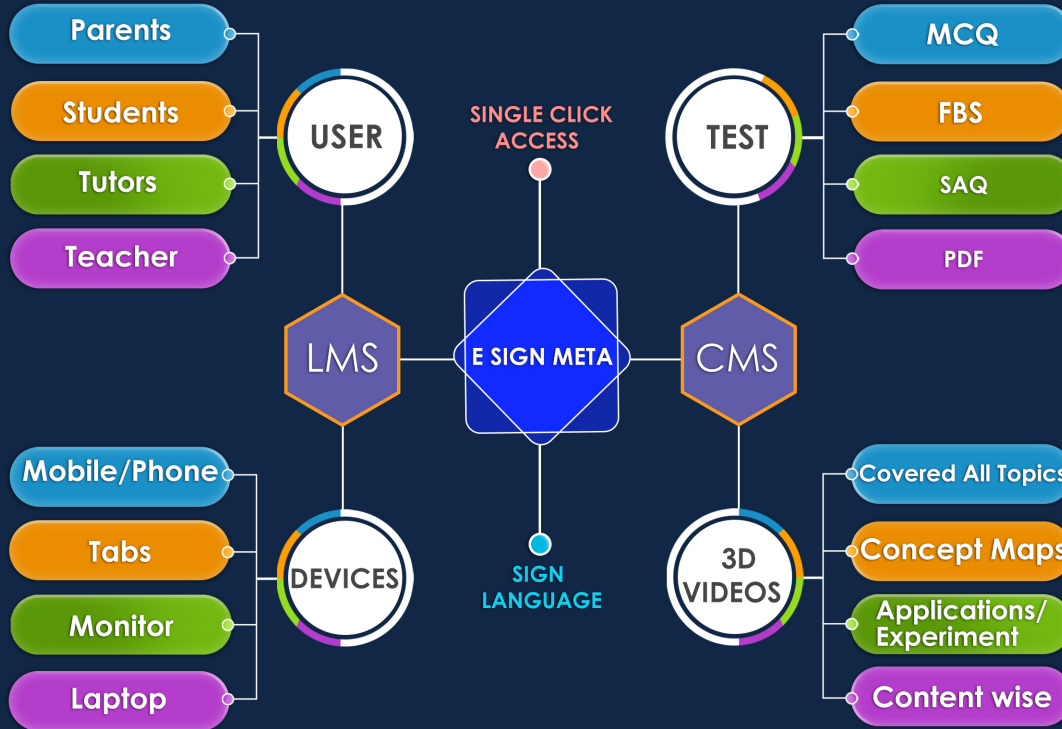
Affiliations



- Apollo Med Skills, Banjara Hills, Hyderabad
- "Sri Bhagavan Ramana Maharshi Ashram Trust" .Tadipatri, AP
- Pennam Foundation, Madhapur, Hyderabad



to reach the beneficiaries, and approaching the sponsoring groups and funding organizations.





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