

Develop Therapy Materials in Hindi for Misarticulation Children

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Abstract—

Hindi Therapy App is a great resource to solve speech recognition problems in India. Its user-friendly design appeals to professionals, children and parents. "Active Level" provides mouth and tongue guidance similar to the first step of speaking.

"View Library" is a rich resource that supports Hindi speaking practice, authentic speaking and is very useful. "Selecting medical information" can make treatment easier and more effective, and "Talking practice" can improve speaking practice.

The "Parent Progress Report" function allows parents to understand their child's treatment progress at any time, thus encouraging collaboration. "Pronunciation Video for Kids" helps children learn to speak.

"Pronunciation Practice" offers many ways to improve vocabulary and methods to improve vocabulary. Basically this app will help you improve your Hindi speaking and communication skills

I. INTRODUCTION

Good communication is the foundation of human relations, but many people in India face problems in their speaking skills. Hindi medical sharing app is a multi-purpose solution for professionals, kids and parents. The best is "Position Level" which specifies the position of the mouth, tongue, teeth and palate required to produce a clear sound. "View Linked Libraries" provides complete application resources, while "Select medical records" allows for customization. "Pronunciation Practice"

provides tips for improving pronunciation.

"Parent Progress Report" for parents can keep them informed, "Pronunciation Videos for Kids" can help children recognize sounds. "Pronunciation Practice" offers many ways to improve pronunciation. As a result, this app Hindi speaking language that will meet the needs of the Indian community and your communication skills.

II. REVIEW OF LITERATURE

A. Study of Existing System

Lack of a comprehensive digital solution for speech clarity challenges among Hindi speakers. Reliance on traditional methods with limited access to appropriate resources. Limited user-friendliness and engagement, particularly for children. Insufficient consideration of linguistic and cultural needs. Limited parental involvement and collaborative tools. Absence of a centralized system for progress tracking and research facilitation

B. Findings from Literature Review

Hindi speakers need clear speech to solve problems. The importance of user-friendly editing resources. The importance of oral and language teaching. Focus on the individual to improve the quality of treatment

III. PROPOSED SYSTEM/PROBLEM DEFINITION

A. Problem Statement

Develop therapy materials in Hindi for misarticulation children

B. Project Scope

item Identification and analysis of cognitive problems among Hindi speakers in India. Set specific goals, including creating user-friendly applications and improving speech clarity. Identify target users: professionals, children and parents. The main features of the app like "Level Work", "View Library" and "Have a Conversation have been mentioned. Focus on areas most relevant to India's Hindi-speaking people. Highlight potential impacts such as improved communication and learning outcomes. Become familiar with research in speech therapy and language development.

C. Key High-Level Goals and Problems

Improve communication skills, especially in Hindi. We work for professionals, children and parents. Speaking instructions are provided. Provide available resources. Customization options. Speaking tips and practice techniques. Allow parents to participate in achievement reports. We help children improve

their speech. Completion of the work. Focus on the needs of the Indian community and improve communication.

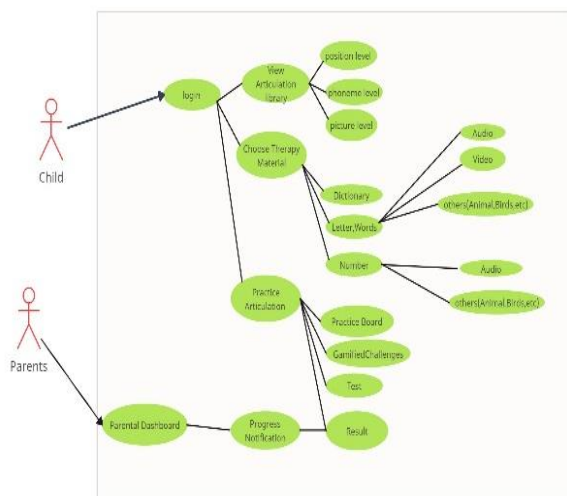
IV. OBJECTIVE OF PROPOSED SYSTEM

Enhance speech clarity for Hindi speakers, particularly children. Create a user-friendly app accessible to professionals, parents, and children. Cover various aspects of speech therapy, including mouth and tongue positions, articulation practice, and personalized exercises. Allow users to personalize their speech therapy resources. Promote parental involvement in speech therapy through progress updates and collaboration tools. Meeting the special needs of the Hindi-speaking people of India. Improve communication, learning skills and relationships. Consider scalability to adapt to other languages and regions.

V. METHODOLOGY

A. System Architecture/Flow/ER/DFD Diagram

Use Case Diagram example



B. Modules of Software System

Improve communication skills, especially in Hindi. We work for professionals, children and parents Speaking instructions are provided. Provide available resources. Customization options. Speaking tips and practice techniques. Allow parents to participate in achievement reports. We help children improve their speech. Completion of the work. Focus on the needs of the Indian community and improve communication

VI. REQUIREMENTS

A. Software Requirement

- a. Frontend
React native
- b. Backend
Node js, Firebase

B. Software Requirement

Android Studio, Visual studio code

C. Hardware with specification

Android Emulator/devices

VII. APPLICATION OF PROPOSED SYSTEM

Moving forward discourse clarity for Hindi speakers, especially children. Supporting instruction in schools and institutions. Assisting discourse specialists in clinical practice. Encouraging parental engagement in discourse therapy. Professional utilize by discourse advisors and educators. Promoting openness for clients with different needs. Collecting information for potential inquire about in discourse therapy. Addressing etymological and social needs of Hindi speakers. Potential for adjustment to other dialects and districts.

VIII. PROJECT PLAN

Sr.No.	Description	Start Date	End Date
1	Project Planning	24/July/2023	31/July/2023
2	Requirement Gathering	01/August/2023	10/August/2023
3	Design	11/August/2023	20/August/2023
4	Coding or Implementation	21/August/2023	14/October/2023
5	Testing	15/October/2023	27/October/2023
6	Deployment	28/October/2023	10/November/2023

IX. ADVANTAGES, DISADVANTAGES

Improving speaking skills for Hindi speakers. Users friendly for different users Treatment of personal speech. Promote collaboration with parents and leadership. Extensible to fit other language

X. CONCLUSIONS AND FUTUREWORK

The project "Hindi Articulation Therapy Application" promises to be a game changer for the speaking difficulties of Hindi speakers. Its ease of use and comprehensive training can improve language skills, benefiting people of all ages. The referral program offers education, treatment and research with a focus on encouraging parental involvement and addressing cultural differences. Although there are challenges in terms of resources and resources, the benefits of the program, including individuality and empowerment, outweigh the negatives. It represents a commitment to improving the quality of life and communication of Hindi speakers in India and beyond, making it a valuable innovation in Speech therapy and accurate language development.