**Problem Statement: Develop Therapy Materials in Hindi for Children with Misarticulation**

**Description:**

Misarticulation is a speech disorder that affects a person's ability to pronounce speech sounds correctly. Speech therapy, specifically articulation therapy, plays a crucial role in helping individuals improve their pronunciation and communication skills. However, most therapy materials and resources are available in English, which may not be suitable for individuals in the Indian context who primarily speak Hindi. To address this gap, there is a need to develop therapy materials in Hindi to assist individuals, therapists, and parents in effectively treating misarticulation in Hindi-speaking children.

**Problem Components:**

**1. Limited Hindi Resources:**

* **Problem:** Lack of therapy materials and resources in Hindi makes it challenging to address misarticulation effectively in Hindi-speaking children.
* **Solution:** Develop a software application with a comprehensive set of therapy activities and techniques in Hindi.

**2. Articulation Domains:**

* **Problem:** Existing resources may not cover all aspects of articulation therapy, including sound positions, phonemes in initial, medial, and final positions, and visual aids.
* **Solution:** Include three key domains in the software:
  + Position Level: Show the position of sounds in words.
  + Phoneme Level: Include words with target sounds in initial, medial, and final positions.
  + Picture Level: Provide visual aids with word-related pictures for better comprehension.

**3. Progress Tracking:**

* **Problem:** The absence of tools to track progress and identify incorrect word productions can hinder effective therapy.
* **Solution:** Develop a feature that records and displays the number of correct and incorrect word productions to help individuals and therapists assess progress.

**4. Accessibility and Versatility:**

* **Problem:** Limited access to therapy resources and professionals in remote areas.
* **Solution:** Ensure the software is user-friendly, accessible on various devices (e.g., smartphones, tablets, PCs), and available for offline use to reach a broader audience.

**Technology Stack:**

The technology stack for developing a therapy materials application in Hindi may include:

* **Mobile App Development:** Build a user-friendly mobile app for accessibility.
* **Content Management System (CMS):** Develop a CMS to manage therapy materials and activities.
* **Multimedia Integration:** Incorporate images and audio to enhance comprehension.
* **Database:** Store user progress and data securely.
* **User Analytics:** Implement analytics tools to track user engagement and progress.
* **Localization:** Ensure the app is culturally and linguistically suitable for the Indian context.
* **Cross-Platform Compatibility:** Make the app available on Android and iOS platforms.
* **Offline Mode:** Allow users to access therapy materials without an internet connection.
* **Security Measures:** Implement data security and privacy features for user data protection.

By addressing these challenges and developing therapy materials in Hindi for children with misarticulation, the Ministry of Social Justice and Empowerment aims to provide accessible and effective tools to support therapy and improve the communication skills of Hindi-speaking children. This initiative will benefit not only the children but also their parents and therapists.