



Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma Institute of Information Technology, Pune-48

(An Autonomous Institute affiliated to Savitribai Phule Pune University)

Department of Information Technology

Final Year BTech Project Year 2023

Project Title: Speech therapy and assessment app for Autism Disorder			
Project Group No.: G - 7		Guide Name: Dr. Aparna Junnarkar	
GROUP MEMBERS:			
Roll No./ Seat No.	Name of Student	Project Area	Project Platform
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Abstract:

Autism Spectrum Disorder (ASD) presents developmental challenges characterized by differences in cognitive and behavioural patterns, such as avoidance of eye contact and repetitive actions. This condition calls for innovative solutions to aid affected children.

In response to this challenge, this report proposes a user-friendly mobile application designed to facilitate language development in Marathi, incorporating articulatory phonetics. Leveraging Android technology, our application offers a comprehensive learning and assessment platform. It empowers administrators to manage Marathi language letter categories, associated words, audio, and assessment questions, enabling tailored support for each child's unique needs.

Proposed application provides an effective means to address the linguistic and cognitive development needs of children with ASD. By offering a powerful tool for language learning and progress tracking, this application bridges the gap between children, parents, and healthcare professionals. This innovative solution enhances accessibility and monitoring while contributing positively to the broader field of speech therapy