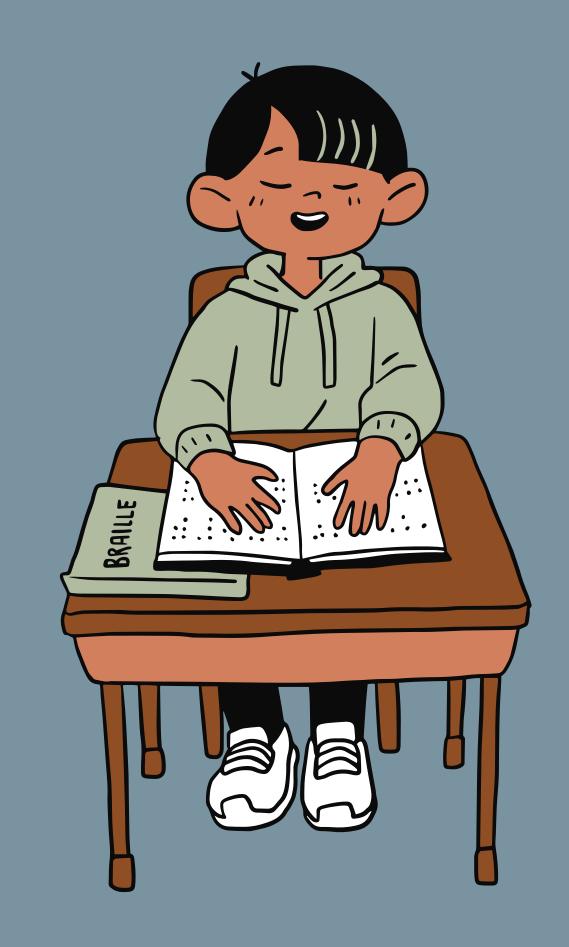
# BRAILLE TOY

Bridging Braille with Voice, Touch, and Technology

#### Problem Statement

Millions of visually impaired children struggle to learn the alphabet and words without engaging and accessible tools.



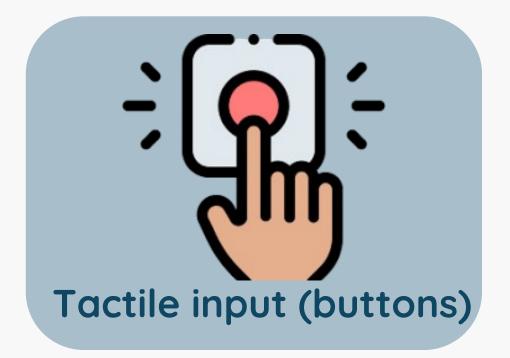


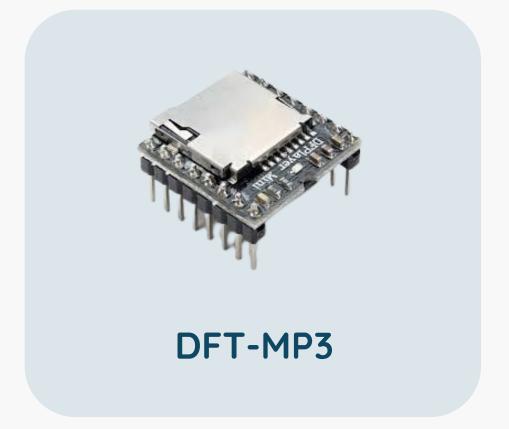
## Key Components Used



**LCD** Display





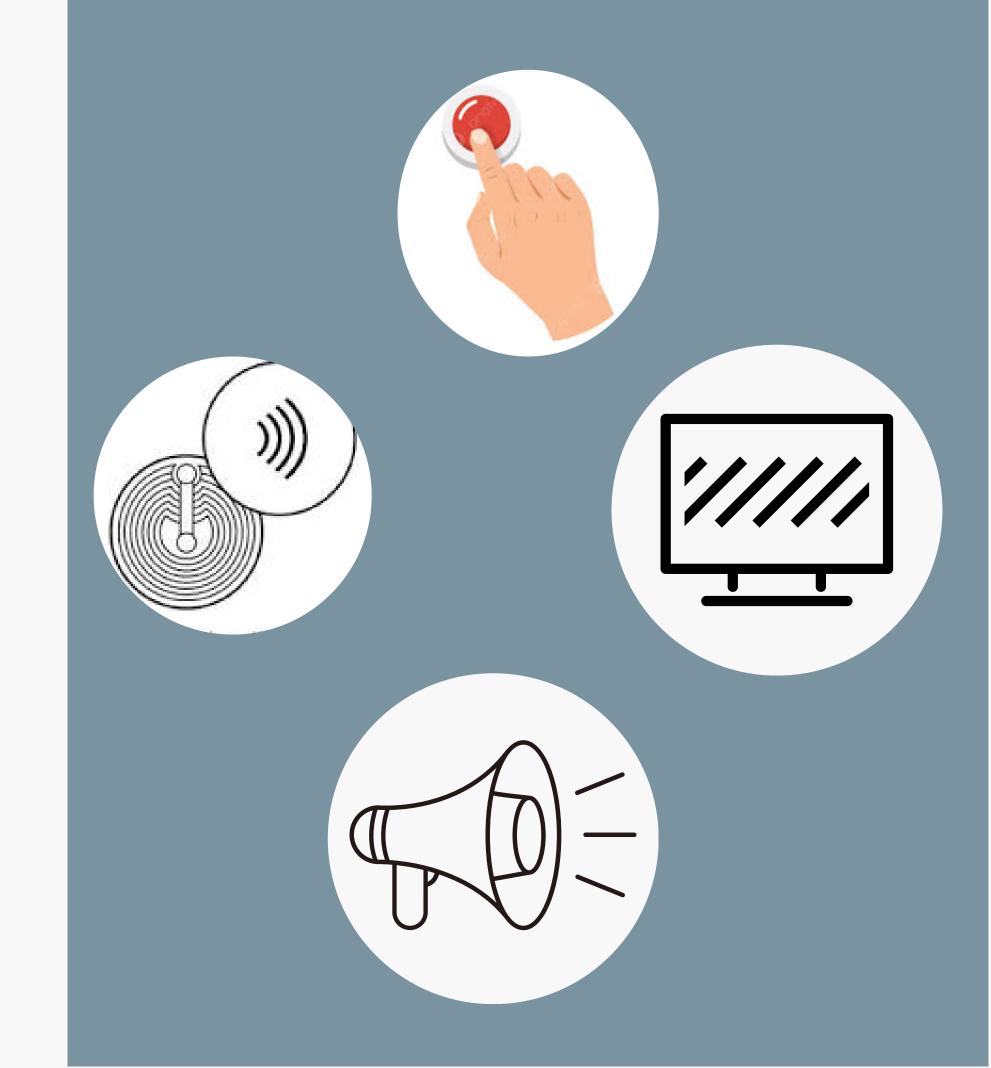






### Project Objectives

To build a smart Braille-based toy that helps visually impaired individuals learn letters, form words, and receive audio feedback using:





# Working Flow

https://www.mermaidchart.com/raw/535212d8-5fc3-4cf8-b1e6-7f1a0d0d2bc7?theme=light&version=v0.1&format=svg



#### Impact & Use Case

- Can be used in special schools, Braille learning centers, and home learning.
- Encourages independent learning through tactile and auditory channels.



#### Future Enhancements

#### vibration feedback

Include vibration
 feedback for deeper
 sensory cues.

#### **NFC & Word libraries**

 Expand with more NFC tags and word libraries.

#### App interface

 Develop an app interface for parental tracking.

# Thank you