

# MEET THE TEAM



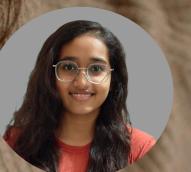
RAVI TRIVEDI  
SEM - 1 : BE - IT



HET VEDANI  
SEM - 1 : BE - IT



SURYANSH CHANDAK  
SEM - 1 : BE - AIDS



PRIYANI RATHOD  
SEM - 1 : BE - AIDS



PUSHTI TRAMBADIYA  
SEM - 1 : BE - IT



## LET'S CONNECT



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LJ INSTITUTE OF ENGINEERING  
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## FEEL TO READ

### A SMART BRAILLE COMPANION

"Empowering Learning Through Touch."

This IoT Braille system empowers blind individuals with independent text input and communication via Arduino. It converts typed Braille into readable digital text, enabling seamless interaction with computers, phones, and apps. Users gain greater autonomy in education, work, and daily tasks without sighted assistance.



# WHY ARE WE DOING THIS PROJECT?

Visually impaired students face major difficulty accessing printed learning materials. Braille books are expensive, bulky, and slow to produce.

Our project provides a low-cost, real-time solution that converts normal text into tactile Braille, enabling independent learning and improved accessibility.



## WHAT MAKES OUR PROJECT STAND OUT FROM THE REST?

Our project is unique because it is affordable, simple, and suitable for education. It generates Braille in real time using easily available components, allows independent dot control, demonstrates embedded systems and electromagnetism, and can be deployed in schools and colleges at much lower cost.

## WHICH PROBLEM DOES IT ADDRESS?

Many visually impaired learners cannot read printed text without assistance. Existing Braille materials require long preparation time and are not always available.

This creates dependency on others and limits educational opportunities. Our system helps by instantly converting digital text into physical Braille dots.

