

Team No. 13:  
**Bits & Bots**

Problem Statement:  
Language Translator

In a country where we believe in the principle "Aneka  
mein ekta" i.e  
Unity in diversity, we accept every person irrespective of  
their background . But what if language becomes a  
barrier??

# Innovation

A web app that can translate your voice and text to desired language in real-time.

## What makes us unique

Users can also converse with people who speak different languages and learn and practice their vocabulary.

# Features

- Language Translation
- Text-to-speech & Speech-to-text
- Multi-language Chat
  - No abusive language allowed
  - Live location sharing
  - Real-time translation
  - Real-time conversation
- Learn and practice
- Word of the day

# Application

- For instant real-time & accurate translation inclusive Indian languages as well as foreign languages
- To overcome linguistic barrier
- To communicate with people having different geographical backgrounds
- To learn new languages
- To learn without any harm(Abuse protection)

## Future Plan

- In-real life conversation mode
- To track user's progress and deploy questions according to the user's performance
- Translate uploaded documents
- To implement different difficulty levels in the test feature
- To upgrade the abuse detection feature

## Tech Stack:

NodeJS, ExpressJS, Socket.IO, Git  
& Front-End Technologies

## APIs:

Google Translation API  
Web Speech API, Maps API