# PRONUNCE PAL(TEAM2)

CHANDHANA BIRLA
GAYATRI VUNNAM
LAKSHMA REDDY CHADA
SIRISHA MITTAPELLY

# INTRODUCTION

A Web application that helps users in improving their Pronunciation and in the enhance their communication by providing Pronunciation assessment service.

# RECORDED DEMO AND GITHUB

Link to the Recorded Demo of Pronunce Pal

Meeting with Birla, Chandhana-20231203_205701-Meeting Recording.mp4

GitHub Repository

https://github.com/Birla10/pronuncepal

# PROBLEM

**PHONETIC AWARENESS**

Learners may not be fully aware of the nuances of phonetics in a new language

**STRESS AND INTONATION**

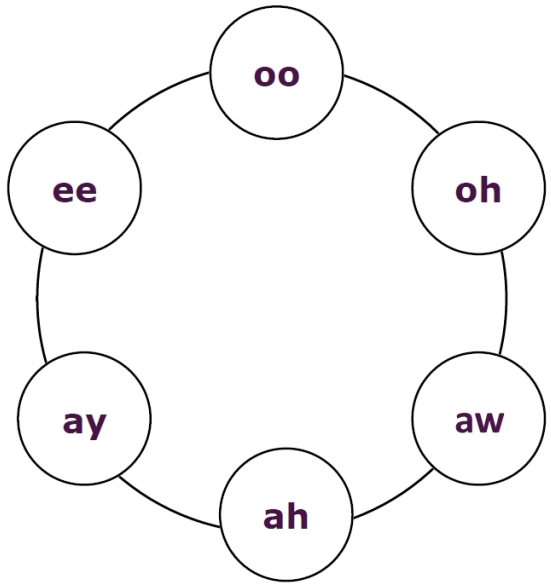
Effective communication involves not only accurate pronunciation of individual sounds but also correct stress and intonation patterns.

**SPEECH CLARITY**

Some learners may struggle with articulation and speech clarity.

# SOLUTION

- This project would involve leveraging AI technologies, including speech recognition and natural language processing, to evaluate and provide feedback on a person's pronunciation. Distributed systems can be employed to handle the scalability and performance requirements of processing large volumes of audio data.
- Setting up a distributed system to handle the processing of a large number of audio recordings concurrently. This may involve using cloud-based services, containerization




Syllable Level Assessment

More Accurate Results

User Analytics

# KEY WINNING FEATURES

## TARGET MARKET

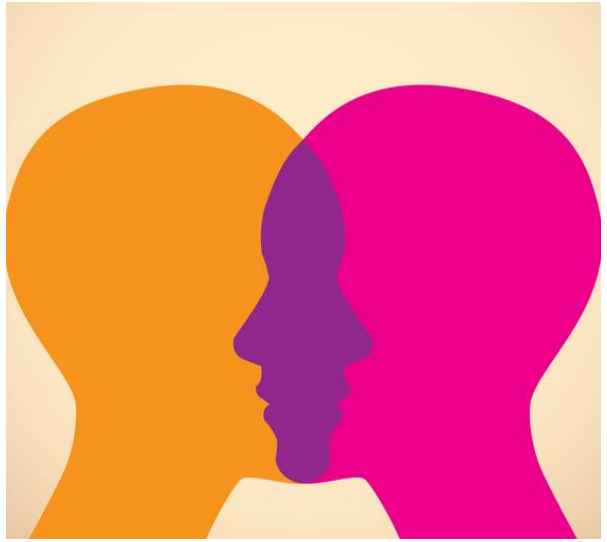
- Both individuals and organizations are a significant target market for pronunciation assessment tools. These tools enhance language learners' abilities by offering feedback on their pronunciation, aiding in skill improvement.

## VALUE PROPOSITIONS

- Improves communication skills making life easier.
- Encourages learning new languages.
- Makes assessing easier for educational institutions.
- Telecommunication companies use speech assessment tools to improve voice recognition and customer service interactions through automated phone systems.

# JUSTIFICATION

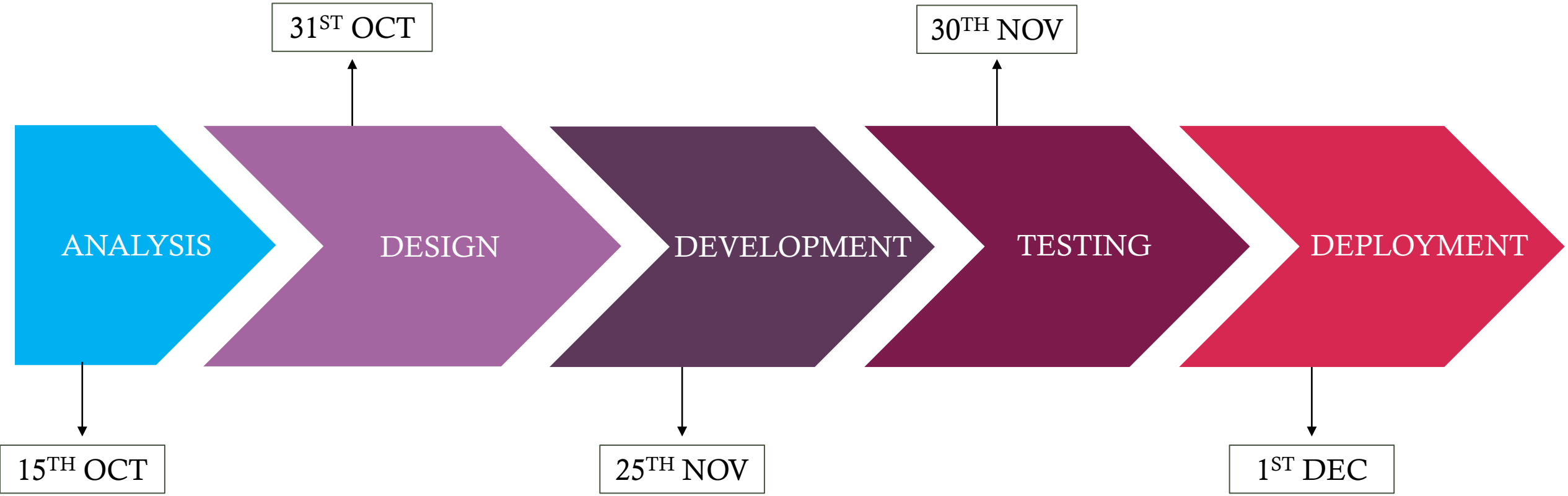
- Pronunce Pal will be a great tool for Educational Institutions and other organizations which includes Language Learning. It comes very handy for Individuals who are eager to improve there language fluency and also communication skills.
- It is very useful for telecommunications industry and also in Medical industry for diagnosing speech disorders.



# SIMILARITIES

- Pronunce Pal is similar to few other tools like Speech Super, Speech Ace.
- Providing Multi Lingual support and Synonym level Score is common in Pronunce Pal and Other tools.
- User Analytics is being added as an Extra Feature in Pronunce Pal

# PROJECT STATUS



# INITIAL PROTOTYPE

PRONUNCE PAL LOGIN SIGNUP

PRONUNCING NOW MADE EASY

LOGIN

PRONUNCE PAL LOGIN SIGNUP

Login

Email *

birlachandhana@gmail.com

Password *

••••••••

Login

Don't have an account ? SignUp

PRONUNCE PAL Welcome Back Chandhana

Practise Analytics History

Type something and hit the mic button to start the recording

Hello World

0:00 / 0:00

Results of the audio are here...

**Over all score: 97**

IELTS Score: 8.5

Word Level Scoring:

**Hello : 95**

Syllable Level Scoring

hel : 98

lo : 92

**World : 98**

Syllable Level Scoring

world : 98

Download JSON Result

PRONUNCE PAL Welcome Back Chandhana

Practise Analytics History

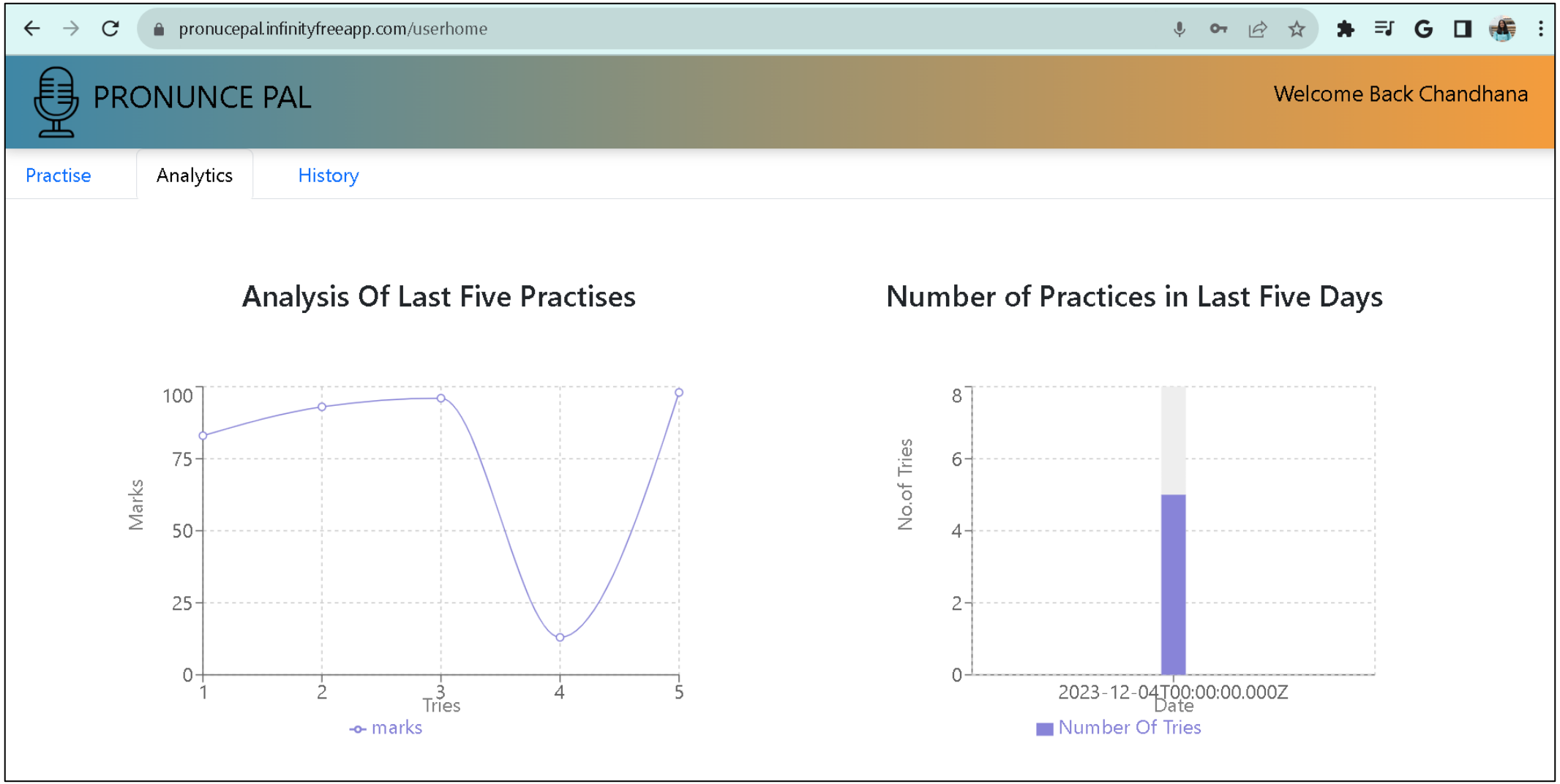
Type something and hit the mic button to start the recording

Hello World

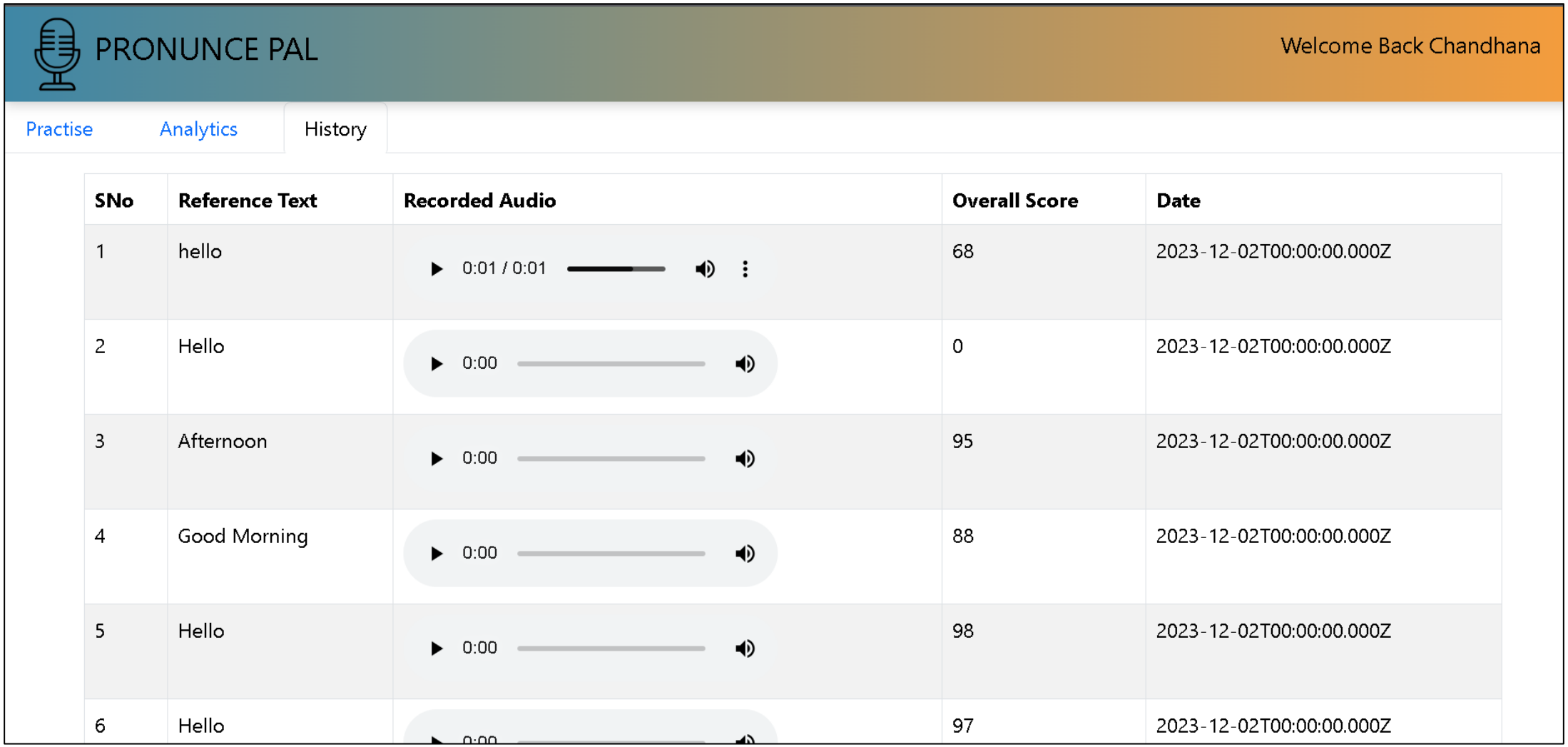
0:12

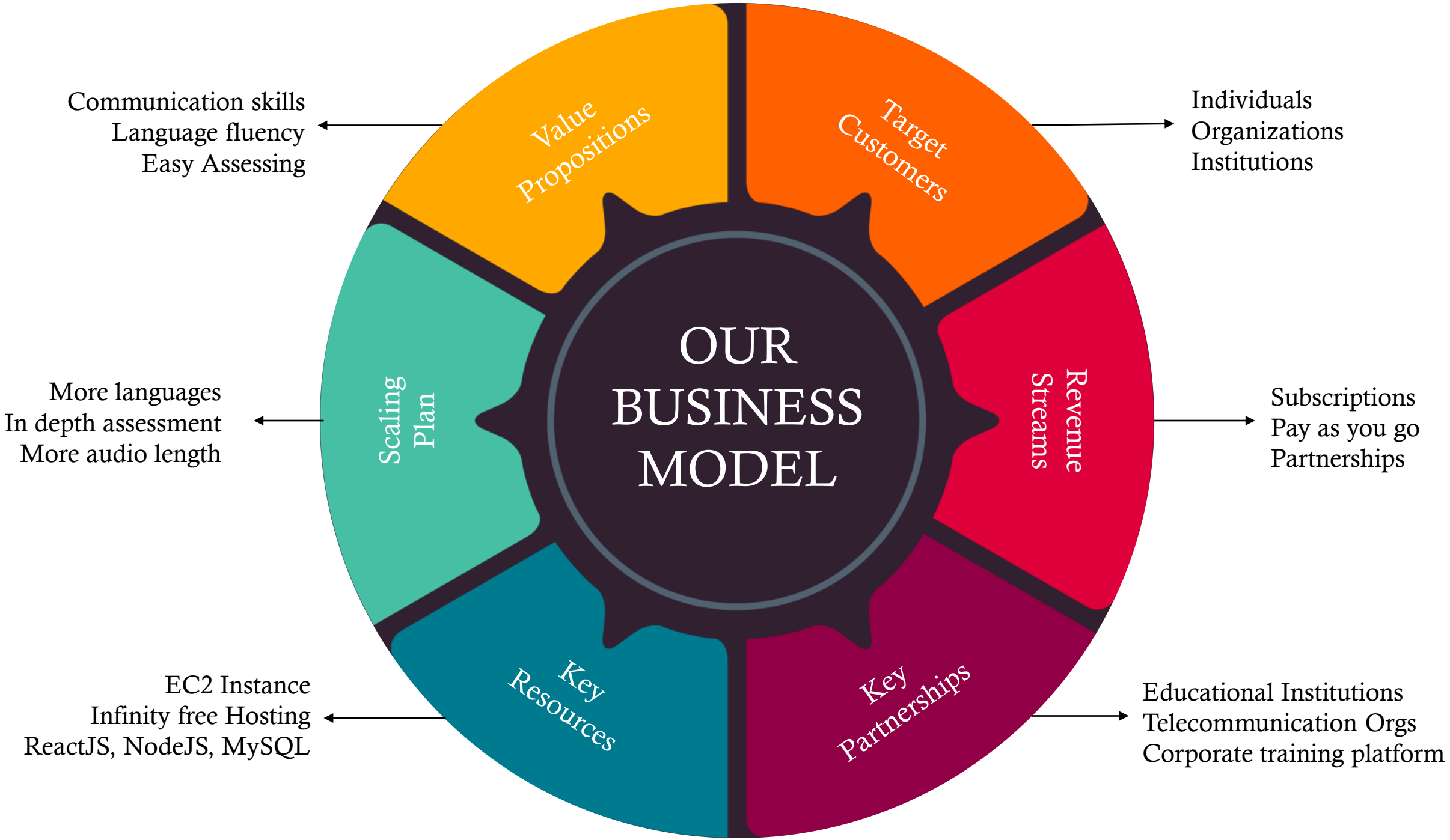
Results of the audio are here...

# ANALYTICS PAGE



# HISTORY PAGE




OUR BUSINESS MODEL
Value Propositions
Target Customers
Revenue Streams
Key Partnerships
Key Resources
Scaling Plan
Communication skills
Language fluency
Easy Assessing
Individuals
Organizations
Institutions
More languages
In depth assessment
More audio length
Subscriptions
Pay as you go
Partnerships
EC2 Instance
Infinity free Hosting
ReactJS, NodeJS, MySQL
Educational Institutions
Telecommunication Orgs
Corporate training platform

# TEAM CONTRIBUTIONS

Lakshma Reddy Chada : Design Research, Frontend, Backend, Deployment

Chandhana Birla : API Research, Frontend, Backend, Deployment, Documentation

Gayatri Vunnam : Frontend, Backend, Database, Documentation

Sirisha Mittapelly: Frontend, Backend, Database, Documentation

# REFERENCES


Images
https://www.freepik.com/vectors/illustrations

Icons
https://www.flaticon.com/

API
https://www.speechace.com/

Similar API
https://www.speechsuper.com/

Graphs
https://recharts.org/en-US/examples
https://www.react-google-charts.com/examples/column-chart

ReactJS Components
https://react-bootstrap.netlify.app/docs/components/tabs/
https://upmostly.com/tutorials/setinterval-in-react-components-using-hooks

Downloadable Buttons
https://thelearning.dev/how-to-download-files-on-button-click-reactjs

ANY QUESTIONS?

THANK
YOU