Phone call using AI technology

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ABSTRSACT:

First two users must install the application and register to it.AI is already embedded to the application. The Artificial Intelligence gets input language from both users and assign it to the translated language oppositely. So the native language communication is achieved using the application. The users should say their language to get their output. The AI gets two input from the users and gives output to the user. The input voice from one user by voice to text and convert it to English and store it before converting to translated language which is already set. The stored text is translated into English. And then translate the English text to translated language and store it. Using text to voice AI spells the translated text to the input of the other user. The same process is done on both sides to communicate in their native languages.

PROBLEM STATEMENT:

The lack of human is to learn many languages. So it is very tough for the humans to communicate in many languages and not everybody is fluent in English. This problem arises when a person travels to other places for work, settlement etc. The solution to the problem is obtained by Artificial Intelligence. It is impossible to learn many languages for human but a machine can, so if this idea is implemented a person can communicate in their native language wherever he goes. In future language won’t be a bigger problem when going to any places

RELATED WORKS:

This concept is the stepping idea to the IT industry and many companies have tried to implement it. But none of them have successfully implemented it. So related works are not started using by the clients.

OBJECTIVE:

The language problems occur when travelling to some places. So Our Objective is to improve communication between any human in the world with their native language itself to enhance communication with help of Artificial Intelligence with Machine Learning and decrease the communication problems among humans.

PROPOSED METHODOLOGY:

The Artificial Intelligence gets input language from both users and assign it to the correlated translated language.

The idea is to get the input voice from one user by Voice to Text and translate to the translated language which is set already.

Using Text to Voice, AI spells the translated text to the other user.

The related works referred has implemented some parts of our project as an android application but which has lots of bugs in it.

Our project idea differs from every related works.

TECHNOLOGY STACK:

The stack used here is Java script mainly to send HTTP requests to fetch the API and to get the response and the HTML and CSS is used to define the layout for the project. It mainly concentrated on Java script to send requests and for a simpler UI HTML and CSS has been chosen. Hidden Markov model and Maxent algorithms are used here.

FEATURES AND SCOPE OF THE PROJECT:

It has many purposes for the users which they needed:

* Humans can communicate in their native language itself.
* Communication becomes very simple.
* It is applied for educational purposes to learn a new language.
* It is applied for business purposes to communicate with foreign clients.

SCALABILITY:

The scalability for this concept is high. It needs a UI designed better and the process is tough but the user should not feel it.

RELIABILITY:

This project is reliable to the users. Because the intention of the project is simple so the user can understand it.

DURABILITY:

The durability of the project never ends because if the project is implemented. It helps for translating languages to the users which has a greater demand.

CONCLUSION AND FUTURE WORK:

A person can make a machine as his personal translator instead of hiring a translator. Under emergency conditions, this will be very helpful for communicating to the other person to deliver his thoughts effectively. It is useful technique for mankind to communicate in their native language itself.