

3. Voice (In Hindi) Recognition

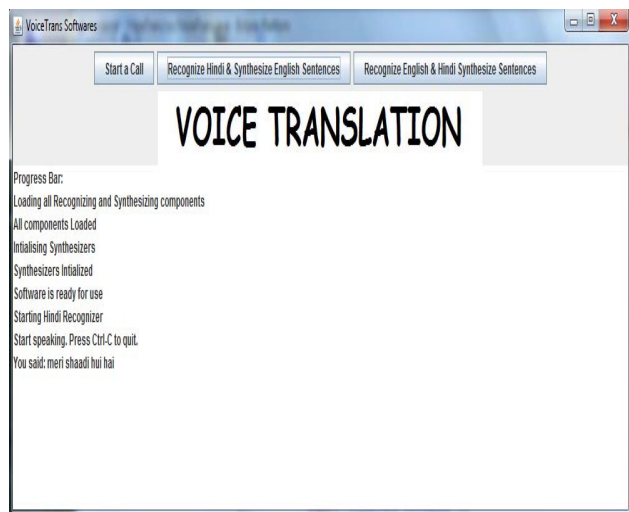


Figure 12: Voice (in Hindi) recognition

Voice (In English) Output

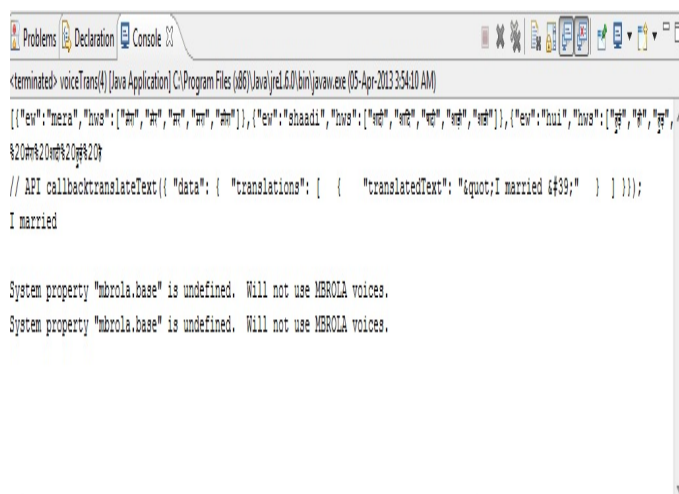


Figure 13: Voice (in English) output

8. Conclusion & Future Work

8.1 Conclusion

Language has always been a barrier to effective communication. As businesses expand and technology engulfs the entire globe, reliable and real-time translation becomes imperative. While considerable progress has been done in this direction, more efforts need to be taken in order to reduce the enormous processing time involved with it. With this project, we have developed a new system model to provide real-time communication between two users who do not speak a common language.

8.2 Future Work

The user will be given option to select the source and the destination language. The different types of languages will be added at both sides.

References

- [1] Yen Chun Lin "An optimized approach to voice translation on mobile phones", 2010.
- [2] Titus Flex FORTUNA "Dynamix Programming Algorithms in Speech recognition", 2008, pp 94-99.
- [3] Srinivas Banglore, Vivek Kumar Rangarajan Sridhar, Prakash KolanLadan Golipur, Aura Jimenez "Real-time Incremental Speech-to-Speech Translation of dialogs", 2012, Conference of North American Chapter of the association for computational linguistic; Human Language Technologies, pp 437-445.
- [4] Willie Walker, Paul Lamere, Philip Kwok "Free TTS- A performance case study", August 2002