

Master Thesis title / MAL izenburua

Setting the theoretical framework and development plan for a chatbot for oracy skill development in schools

Eskoletan hizlaritza gaitasuna garatzeko txatbot batetarako marko teorikoa eta garapen planifikazioa

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Description / Deskribapena

It has long been claimed that oracy skills are linked to successful reasoning and learning. This notion of oracy skills and development strategies are slowly entering our education system. Often, however, class-size compromises the efficient implementation of dialogical approaches to teaching/learning. Could chatbot technology alleviate this bottleneck? What are the characteristics of a chatbot that would guide dialogic learning? What type of output does it need to provide? What type of input does it need to interpret? Are current chatbot development strategies adequate to create this type of dialogues? This project sets to describe a theoretical framework for oracy skill development and study its applicability in a chatbot scenario, setting the foundations for its development.

Goals / Helburuak

To propose a theoretical framework to develop oracy skills through chatbot technology for a specific context
To propose a development plan, considering specifically the resources required and the development approach to follow.

Requirements / Betebeharrak

Education/ Linguistic/Computer science background

Framework / Esparrua

NLP applications for education – chatbots for oracy skill development

Tasks and plan / Atazak eta plana

- Analyse literature on oracy skills development
- Analyse literature on chatbot development techniques
- Propose a valid framework for oracy skill development through chatbot technology
- Identify the requirements of chatbot development considering the framework
- Propose a roadmap to chatbot development considering the needs and limitations of the different approaches
- (start development if possible)
- Write up the report

References

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