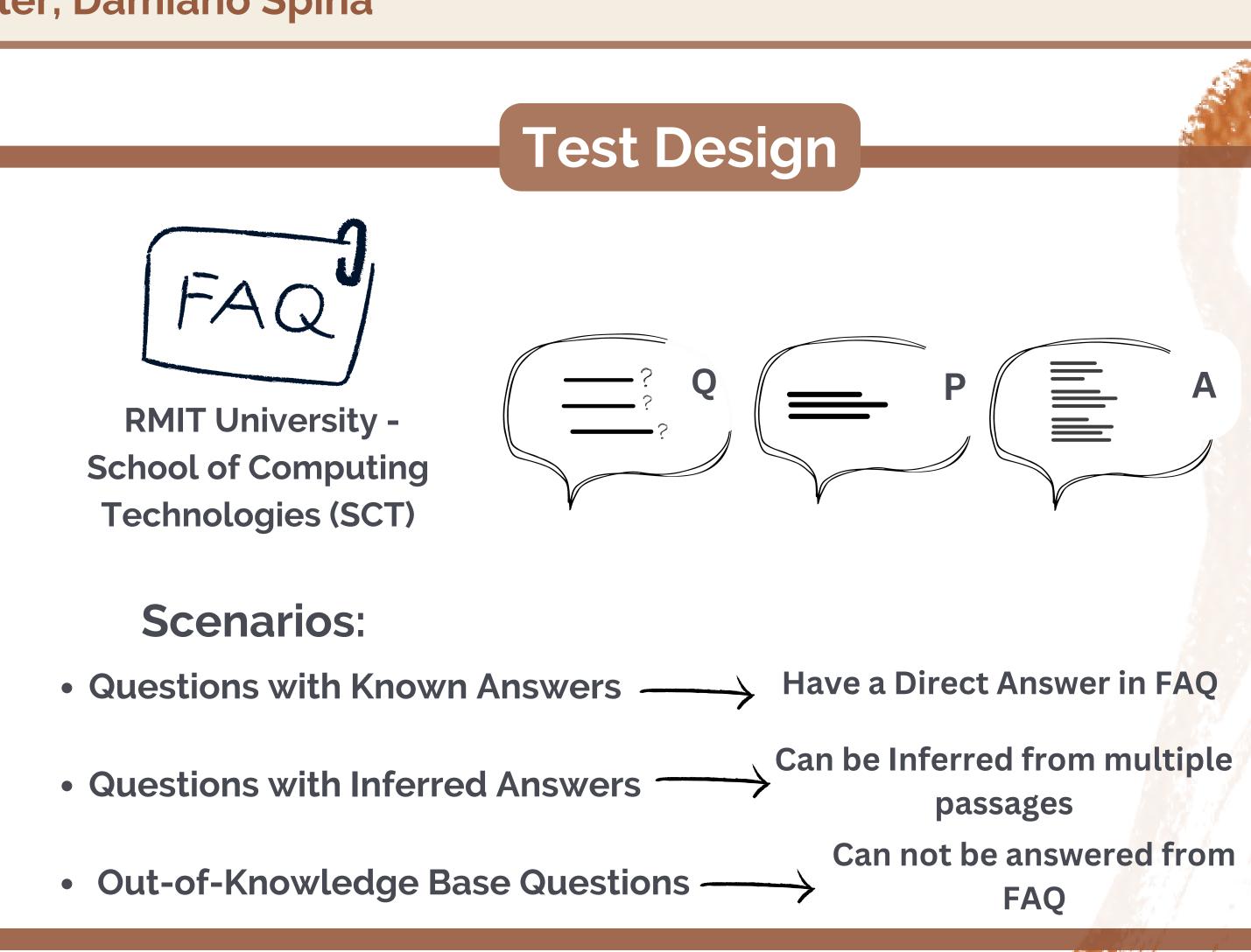


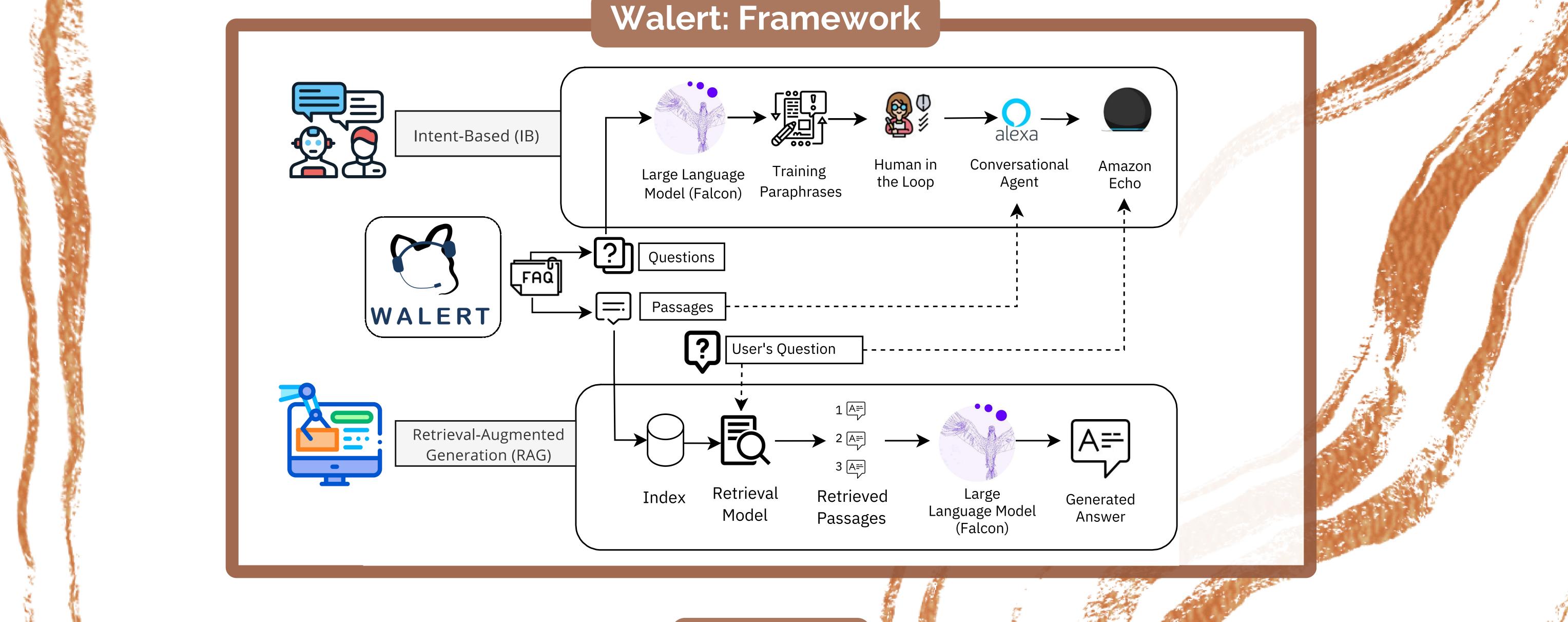


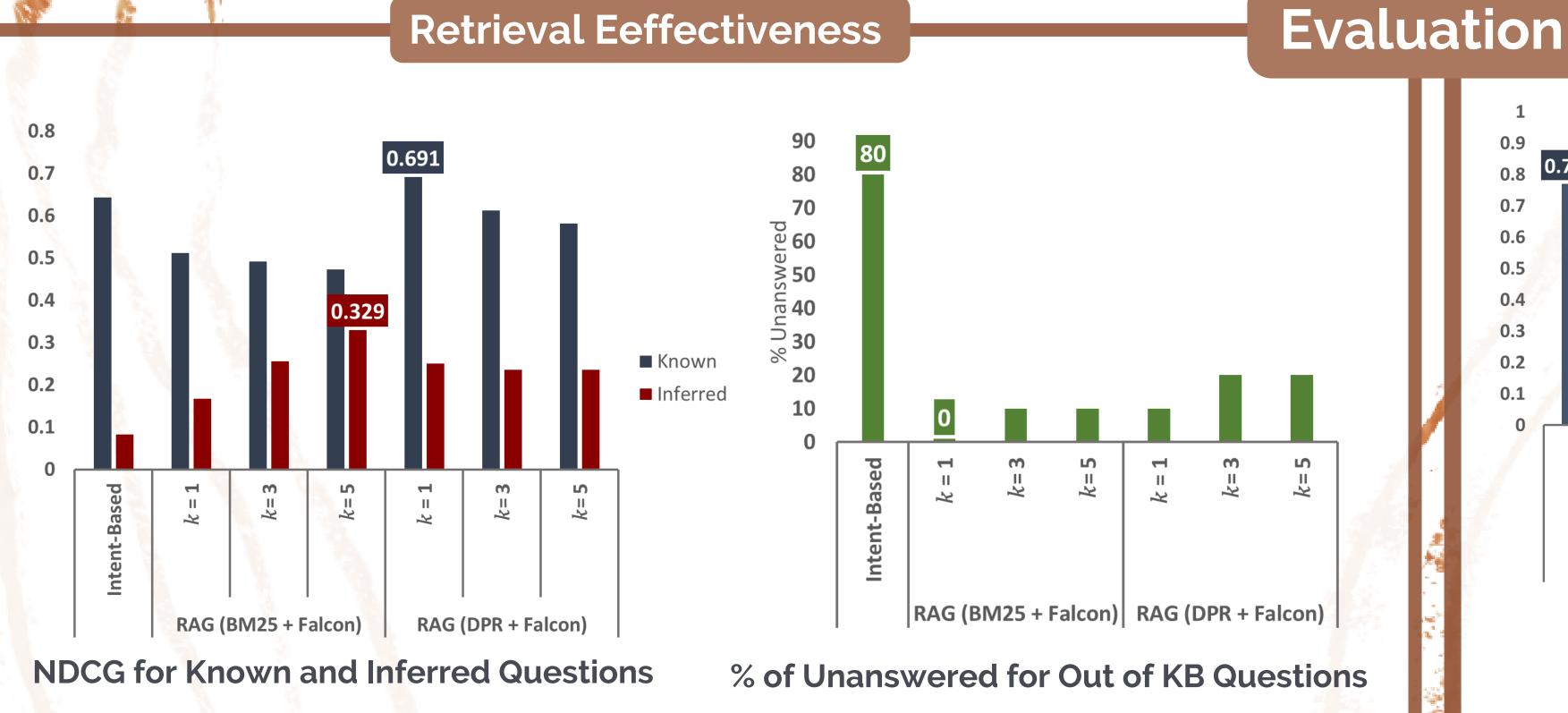
Putting Conversational Search Knowledge into Action by Building and Evaluating a Large Language Model-Powered Chatbot

Sachin Pathiyan Cherumanal, Lin Tian, Futoon Abu Shaqra, Angel Felipe Magnossão de Paula, Kaixin Ji, Halil Ali, Danula Hettiachchi, Johanne R. Trippas, Falk Scholer, Damiano Spina









0.671 0.771 0.3 RAG (BM25 + Falcon) RAG (DPR + Falcon) RAG (BM25 + Falcon) RAG (DPR + Falcon) Inferred ■ Inferred ■ Out of KB **ROUGE-1 BERTScore**

Answers Quality

Walert (Possum)

"Walert" means "possum" in Woi Wurrung and Boon Wurrung languages. Possum skin cloaks hold stories of individuals, mobs, and Country, They are essential to the Traditional Owners and Custodians of the land where the authors live and work. Our chatbot, Walert, is named as a tribute to this cultural heritage.





github.com/rmit-ir/walert

Walert was designed and developed in the unceded lands of the Wurundjeri and Boon Wurrung peoples of the eastern Kulin Nation. We pay our respects to their Ancestors and Elders, past, present, and emerging. This research is partially supported by the

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