

TOWARDS APPROPRIATE USER INTERFACE DESIGN PRESERVING RURAL AFRICAN COMMUNICATION PRACTICES

Agents as Mediators in Knowledge Transfer

Context

African In rural communities with low literacy and written formal education, knowledge is transferred orally generally through story telling. An Elder (narrator) passes on the knowledge to other members of the community (listeners) speech through and gestures. I therefore propose the use of a Listener conversational agent as an appropriate interface for a knowledge management system in an African setting. listener agent will give feedback that mimics faceto-face conversation for the narrator to elicit Knowledge that can be stored in a knowledge management system.

Aim

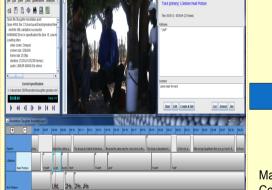
The aim of this research project is to determine current communication structures and discourse practices of listeners in a selected rural community.

Objective

The main objective is to model the listeners communication patterns within a selected communication framework and attempt to map this into an appropriate interface design for a suitable ICT device.

Expected Outcome

The gesture analysis should yield movement patterns that can model listener's gestures into an appropriate User Interface that will be proposed for a Herero conversational agent.



Listener Agent



Mapped Communication patterns into an embodied conversational agent Feed back from Agent



Narrator



Narrator Speaks to Conversational Agent

Contact

Shilumbe Chivuno-Kuria
Polytechnic of Namibia
Software Engineering Department
Email: schivuno@polytechnic.edu.na
Phone: +26461-2072057

Filone. +20401-2072037

Website: http://www.sit.polytechnic.edu.na

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