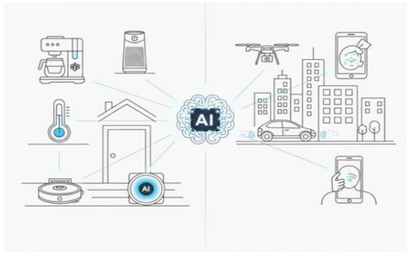
AI Literacy for Learners from Underserved Communities: Co-designing with Educators and Learners in Youth Organisation within South Africa

1 Problem Statement

AI Literacy



Artificial Intelligence (AI)

Current Research Studies on AI Literacy for Young Learners

Research Gap

Learners from underserved community in South Africa

Research Path

Co-design with learners and staff

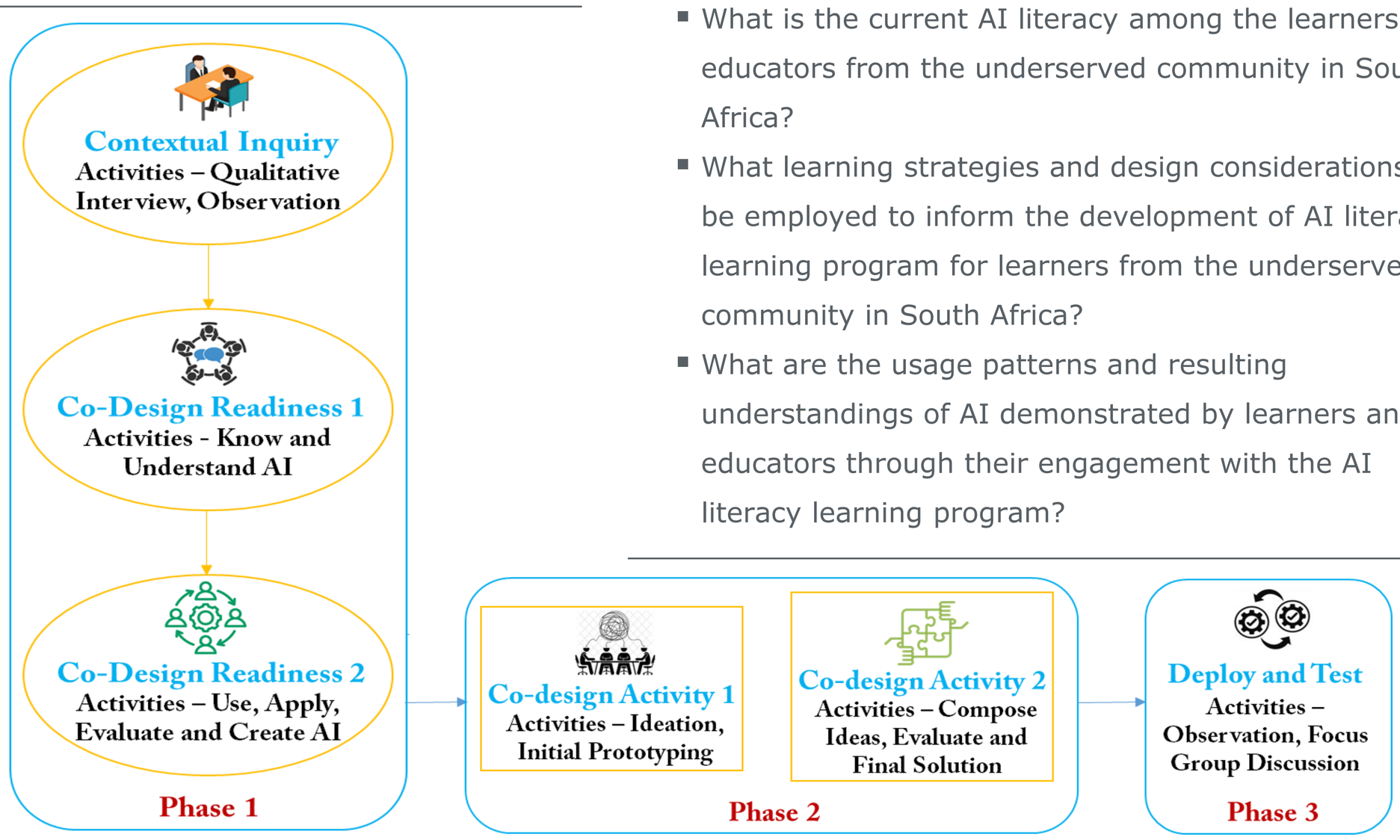
2 Research Aim

To develop AI Literacy learning program with learners and educators, adopting a co-design approach, to foster AI literacy among learners from the underserved communities in South Africa.

3 Research Questions

- What approaches to AI literacy for learners is currently adopted in the coding and robotics community across South Africa?
- What is the current AI literacy among the learners and educators from the underserved community in South Africa?
- What learning strategies and design considerations can be employed to inform the development of AI literacy learning program for learners from the underserved community in South Africa?
- What are the usage patterns and resulting understandings of AI demonstrated by learners and educators through their engagement with the AI literacy learning program?

4 Methods



5 Expected Contributions

- Provides lesson for co-designing with learners and educators in Africa.
- Generates practical design principles for integrating AI literacy into underserved learning settings in Africa.
- Contributes to digital inclusion and empowerment by enabling learners from underserved in South Africa to engage critically and responsibly with AI technologies.

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