

Design Thinking for Socio-Technological Endeavors: Experiences from the Virtual Laboratory (VLab) and Connected Learning for STEM (CL4STEM) Projects

Design thinking is a foremost technique for solving varying kind of wicked problems in different domains. Educators and practitioners have used DT widely in the global north to build enduring technology systems. Despite these potentials, there is a dearth of knowledge and application of Design Thinking (DT) as a methodology for solving complex, technology-based problems in the global south, but more prominently in Nigeria. Furthermore, the inadequacies of equipment and classrooms have impacted on the learning of science and engineering in most educational institutions. We reflected on two separate workshops that introduce the Design Thinking approach, to educators, (and in one of the workshops students and industrial partners) towards collaboratively generating ideas towards enabling equitable access to learning resources. We share from our findings that design thinking impacts on the quality and sustainability of digital product or services developed in global south countries like Nigeria.

Results

Conclusion