

Mawson Lakes BVLD

24th September 2025

Invitation letter to be part of our research project

Dear Design and Technology Teacher

Dr. John Kennedy and I are preparing grant and ethics applications for a study titled *Developing Teacher Confidence and Self-Efficacy in Design Education through Generative AI CAD Integration*. We aim to recruit 20–30 Secondary Design and Technology teachers in South Australia to participate in workshops held at our Mawson Lakes D&T campus during selected weekends and/or school holidays. At this stage, we are seeking expressions of interest, and those wishing to participate can sign at the bottom of this page and return it to me at chris.chimwayange@unisa.edu.au.

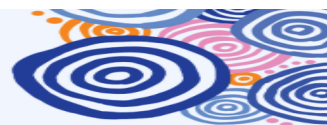
The project will investigate how Generative AI tools integrated into CAD platforms, such as Autodesk Fusion 360, can enhance teacher confidence and self-efficacy in adopting advanced technologies. By engaging in professional development workshops, teachers will explore GenAI's potential as both a design aid and pedagogical partner. Findings will inform future professional learning opportunities and curriculum innovation in design education.

Dr. Chris Chimwayange | *PhD Massey (NZ), M. Ed Hons. Murdoch (Aust), B. Ed Massey (NZ), B. Ed UZ (Zim)*

Lecturer in Design and Technology | Education Futures

G2-08 | Mawson Lakes Campus | Uni SA Australia | Adelaide SA 5095

m: 0401405224 e: chris.chimwayange@unisa.edu.au



Chimwayange, C. (2024). Promoting student engagement using project based learning as service-based skills development. *International Journal of Technology and Design Education*.

<https://doi.org/10.1007/s10798-024-09947-w>

I _____ (Full Name) am interested in participating in this project.

Signature: _____ Date _____