



ZANDRI SMITH

LECTURER AT CENTRAL UNIVERSITY OF TECHNOLOGY

CONTACT

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PROFILE

Dedicated Lecturer at Central University of Technology with expertise in construction materials and masonry material design. PhD candidate advancing research in masonry material design with a strong focus on structural analysis and expansive clay effects.



WORK EXPERIENCE

Lecturer

Central University of Technology, Free State | 2017–Present

Teaching first-year structures (Applied Mechanics and Physics). Conducts research specializing in masonry material design and construction materials expertise.



EDUCATION

PhD Candidate, Civil Engineering (Masonry Material Design)

Stellenbosch University, Western Cape | Expected 2025

M.Eng., Civil Engineering

Central University of Technology, Free State | 2022

Thesis: Finite Element Modeling of Masonry Structures on Expansive Clay

B.Tech., Civil Engineering

Central University of Technology, Free State | 2017



PROFICIENCY AND KEY SKILLS

Construction materials and masonry material design

Structural analysis (Applied Mechanics and Physics)

Finite Element Modeling for masonry on expansive clay

MS Office Suite (Word, Excel, PowerPoint, Outlook)

Prokon structural analysis software

Research and academic expertise in civil engineering materials



CERTIFICATION & AWARDS

Currently pursuing PhD with research focus on masonry material design
Published research on building flexibility to alleviate cracking in masonry structures on expansive clay.