

## Application

Call	Knowledge Interchange & Collaboration (KIC) 2
Call Start Date	01 August 2025
Call End Date	08 September 2025
Reference	KIC250807352710
Title	Mr
Initials	ts
Name	tshingombe tshingombe
Email	tshingombefiston@gmail.com
ID/Passport Number	tircgog0091616
Race	African
Gender	Male
Citizenship	Non-South African citizen
Organisation	South African Qualifications Authority (SAQA)
Birth Date	10 October 1982
Date Generated	15 October 2025 09:49

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## CV

### Personal Profile

ID/Passport Number <b>tircgog0091616</b>	Citizenship Status <b>Non-South African citizen</b>
Country Of Birth <b>Democratic Republic of Congo</b>	Current Country <b>Democratic Republic of Congo</b>
Institution <b>South African Qualifications Authority (SAQA)</b>	Position/Delegation <b>engineering</b>
Race <b>African</b>	Identity Type <b>Passport Number</b>
Gender <b>Male</b>	Identity Document <a href="#">My CV _ NRF Connect orcide tshingombe.pdf</a>
Institution Country <b>Democratic Republic of Congo</b>	Passport Expiry <b>23-Apr-2026 12:00:00 AM</b>
Research Expertise <b>Curriculum Policy and Management</b>	Research Expertise Type <b>Field of Specialisation</b>

### Qualifications/Certifications

Academic Level of Qualification <b>Bachelors</b>	Study Fields <b>Energy studies</b>
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Name Of Degree/Diploma (e.g. PhD) engineering	Institution South African Qualifications Authority (SAQA)
Fulltime Yes	Distinction N/A
Date of First Registration 2024-03-14	Completed Yes
Highest Qualification Yes	Date Obtained 2025-04-11
Academic Record/Transcript <a href="#">Professional Resume_CV - Atlantic International University 2.pdf</a>	

## Research Expertise

### Scientific Domain

Engineering

### Primary Research Fields

Engineering sciences

Technologies and applied sciences

### Secondary Research Fields

Electrical Engineering

Education

Information and library science

### Field Of Specialisation

African environment

Additive manufacturing

Industrial and economic sociology

Analytical Environmental Chemistry

Applied Chemistry - Membrane Technology

Nanostructured materials and packaging

Materials science and Engineering

4th Industrial Revolution in the Construction Industry

Structural Geology

African oral literature

## Student Supervision

Title  
Mr

Initials  
tsh

Surname tshingombe	Citizenship Status South African citizen
Race African	Gender Man
Institution South African Qualifications Authority (SAQA)	Level Honours
Name Of Degree/Diploma (e.g. PhD) tshingombe	Is Fulltime Yes
Supervised From 2025	Supervised To 2025
Role Supervisor	Year First Registration 2023
Is Completed Yes	Year Awarded 2025

## Career History

Type Permanent appointment	Position engineering electrical
Organisation engineering electrical	Sector Higher Education Sector
Is Current Yes	Appointed From 2025-04-14
Type Awards and prizes	Sector Higher Education Sector
Description saqa award degree diploma	
Type Awards and prizes	Sector Higher Education Sector
Description engineering electrical science	

## Research Outputs

### Summary

	2025	2024	2023	2022	2021	2020	2019	2018	2017	Total
Articles in Refereed/Peer-reviewed Journals	0	0	0	0	1	0	0	0	0	1

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## Articles in Refereed/Peer-reviewed Journals

Output Title

Conservative and Semismooth Derivatives are Equivalent for Semialgebraic Maps

Title of Journal Set-Valued and Variational Analysis	Authors Damek Davis, Dmitriy Drusvyatskiy
Status Published/produced	Year 2021
DOI 10.1007/s11228-021-00594-0	

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Output Title

master education technology rural implentation framework

ISBN Number 520-03-123456	Title of Journal master education technology rural career thes
Volume 1900	Authors tshingombe
Status Attended	Publisher atlantic
DOI research thesist master doctoral	

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## Refereed/Peer-reviewed Conference Outputs

Output Title

<https://github.com/Kananga5/Curriculum-section-1-1.1-Thesis.-Degree-honor-council-quality-rules-low-become-justice>

ISBN Number 520	Contribution Title engineering ts
Proceeding Title research thesis	Authors tshingombe tshitadi
Status Attended	Country USA

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## Patents

Application Date

2025-04-14

Application Number

520520

Full Title engineering master doctoral	
Grant Date 2025-04-14	Grant Number 520520

Description  
engineering rural master doctoral

Inventor

Poster

\_\_\_\_\_ 4.1 .12.1.Name of thesis : implementation and framework national qualification and national trade examination circulum experimental job theoretical pratical college and govern

Application Type  
Continuing Application

Region  
South Africa

Status  
Granted

Application Date  
2025-09-15

Application Number  
30

Full Title

AUTHORY: TSHINGOMBE TSHITADI  
CURRICULUM

Career Discovery Overview: RNF, AIU, NSF Learning Journey within the National Trade Framework  
Qualification in Electrical Engineering  
Author: Tshingombe Tshitadi Fiston  
💎💎 ABSTRACT

Grant Date  
2025-09-15

Grant Number  
2

AUTHORY: TSHINGOMBE TSHITADI  
CURRICULUM

Career Discovery Overview: RNF, AIU, NSF Learning Journey within the National Trade Framework  
Qualification in Electrical Engineering

Author: Tshingombe Tshitadi Fiston

#### ◆◆ ABSTRACT

This paper explores the intersection of career discovery, open-access learning, and credential transparency within the context of electrical engineering. It synthesizes insights from RNF (Recognition of National Frameworks), AIU (Atlantic International University), and NSF (National Science Foundation) initiatives to scaffold a transdisciplinary learning journey aligned with South Africa's National Trade Framework. The study proposes a modular, portfolio-driven approach to vocational education, integrating diagnostics, digital publishing, and global benchmarking.

#### ◆◆ SCOPE

- Electrical engineering education across formal, informal, and open-access platforms
- Credential alignment with SAQA/NQF, WA codes, and NSF SBIR/STTR frameworks
- Integration of AIU Guest Student modules into national qualification pathways
- Use of LMS, GitHub, and Internet Archive for portfolio documentation and career mapping

#### ◆◆ OVERVIEW

This work positions career discovery as a dynamic, data-driven process. It examines how learners can navigate trade qualifications through personalized learning paths, diagnostic assessments, and crede

Inventor

AUTHORY: TSHINGOMBE TSHITADI  
CURRICULUM

Career Discovery Overview: RNF, AIU, NSF Learning Journey within the National Trade Framework  
Qualification in Electrical Engineering

Author: Tshingombe Tshitadi Fiston

◆◆ ABSTRACT

This paper explores the intersection of career discovery, open-access learning, and credential transparency withiRetail library collections (e.g., CNA, Shoprite) do not include modular casebooks for trade readiness and mentoring, missing a critical opportunity to democratize technical education.”

◆◆ Tips for Crafting Your Own

- Start with evidence or observation
- Define the gap or deficiency
- Highlight the impact on learners, educators, or institutions
- Point to the need for your specific solution

Would you like help drafting a custom problem statement for a specific funder or proposal section? I can also help you align it with your logic model or theory of change.



Application Type Continuing Application	Region South Africa
Status Granted	

Full Title

AUTHOR : TSHINGOMBE TSHITADI  
CURRICULUM

Career Discovery: Security, Safety, Defense Facilitation, Government Bill Skill Development, CCMA  
Labour Levy, and Engineering Skill Integration  
Author: Tshingombe Tshitadi Fiston

#### 🔍 SCOPE

This document investigates the intersection of national security facilitation, labour policy, and engineering skill development. It integrates CCMA labour frameworks, government bill implementation

Description

AUTHOR : TSHINGOMBE TSHITADI  
CURRICULUM

Career Discovery: Security, Safety, Defense Facilitation, Government Bill Skill Development, CCMA Labour Levy, and Engineering Skill Integration

Author: Tshingombe Tshitadi Fiston

#### 🔍🔍 SCOPE

This document investigates the intersection of national security facilitation, labour policy, and engineering skill development. It integrates CCMA labour frameworks, government bill implementation, and vocational engineering diagnostics to support career readiness and systemic reform in technical education.

#### 🔍🔍 DESCRIPTION

The framework explores how security and defence-related competencies—such as safety audits, infrastructure diagnostics, and policy facilitation—can be scaffolded into credentialed engineering pathways. It includes analysis of CCMA labour levy systems, government skill development bills, and modular engineering training aligned with SAQA/NQF standards.

#### 🔍🔍 OVERVIEW SUMMARY

- Security & Safety: Risk assessment, compliance audits, and infrastructure protection
  - Defence Facilitation: Technical support roles in public safety and emergency systems
  - Government Bill Skills: Implementation of national training mandates and levy-funded programs
  - CCMA Labour Levy: Workforce regulation, dispute resolution, and skill funding mechanisms
  - Engineering Skills: Modular diagnostics, signal processing, and infrastructure simulation
- This overview supports a transdisciplinary career model that blends policy, diagnostics, and technical education.

#### 🔍🔍 DATA ANALYSIS

Domain Data Source Key Insights

CCMA Labour Records Dispute resolution logs Skill gaps in regulated sectors

Government Skill Bills Legislative archives Funding allocations and compliance

Safety Audit Reports Infrastructure diagnostics Risk mitigation and training needs

Engineering Training Logs LMS and GitHub CI/CD Credential mapping and skill indexing

#### 🔍🔍 INVESTIGATION

- Field analysis of CCMA dispute cases and skill levy outcomes
- Review of government bills on vocational training and safety compliance
- Diagnostic mapping of engineering modules to public safety roles
- Integration of security protocols into LMS and credential artifacts

🔊 ADVANTAGESUIREMENTS (South Africa & UK Cont

Career11tf discovery job trade memo lecture learn note.docx 35 MB

Career10f discovery job trade memo lecture learn note.docx 170 KB

HBXUmm-k.pdf 272 KB

kzEoOz5g.pdf 215 KB

SARAO-HCD-Diploma-in-Engineering-Technology-Scholarship-Programme-2026-Application-Guide.pdf 140 KB

y4yEC4IC.pdf 181 KB

Career8 security safety policy defended faciltor gov bill skill developmen ccma labour levy.docx2.docx 200 KB

PSSPF\_Complaint-Form-2025.Individual.pdf 271 KB

pro rnf excell vba.xlsx 1.4 MB

home affairs documents cvs-1.pdf 3.6 MB

Career8 security safety policy defended faciltor gov bill skill developmen ccma labour levy.docx2(1).pdf 959 KB

Ucpd tshingombe fiston(2).docx 27 KB

Career 6 experience discovery tshingombe tshitadi.docx 35 MB

Career9f discovery job trade memo lecture learn note.docx 161 KB

Career11tf discovery job trade memo lecture learn note.pdf 31 MB

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## Application

### Details of Funding Request

Nothing Captured

### Details of Researcher/Visiting Scientist

Nothing Captured

### Details of Hosting Event

Nothing Captured

### Details of Event

Nothing Captured

## Details of Africa Interaction

Nothing Captured

## Purpose and Motivation

Nothing Captured

## Expected Outcome Output

Nothing Captured

## Impact

Nothing Captured

## Requested Financials

Nothing Captured

## Other Sources of Funding

Nothing Captured

## Science Engagement

Nothing Captured

## Attachments

Nothing Captured