

# Neema Stephen Kahabi

PhD Candidate at the Indian Institute of Technology Madras – Chennai

## Personal Information

**Address** 40, Tegeta Namanga, Dar es Salaam, Tanzania  
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## Education and Qualifications

**Institution name and country** Indian Institute of Technology Madras (Chennai) – IITM  
**From - To** July 2024 – Ongoing  
**Degree** PhD Candidate  
**Field of study** Civil Engineering Materials

**Institution name and country** University of Cape Town, South Africa  
**From - To** 03<sup>rd</sup> February 2019 – 31<sup>st</sup> December 2022  
**Degree** Master of Science in Civil Engineering Infrastructure Maintenance and Management  
**Field of study** Civil Engineering  
**Dissertation title** The Effect on the Durability Properties of Concrete of Partial Replacement of Natural Fine Aggregates with Recycled Concrete Fine Aggregates  
**Final grade** GPA 71.78

**Institution name and country** University of Dar Es Salaam, Tanzania  
**From - To** 7<sup>th</sup> October 2013 – 18<sup>th</sup> November 2017  
**Degree** Bachelor of Science in Civil Engineering  
**Field of study** Civil Engineering  
**Final grade** GPA 3.2 with honors

## Language Skills

Language	Writing	Speaking	Reading
English	Excellent	Excellent	Excellent
Swahili	Excellent	Excellent	Excellent
French	Basic (DELFA1 Certified)	Basic (DELFA1 Certified)	Basic (DELFA1 Certified)

## Professional Experience

Duration	Position Held and Organization	Responsibilities/ Tasks
01 <sup>st</sup> September 2022 – 01 <sup>st</sup> April 2024	Civil Engineer / (Researcher and Assistant Coordinator)   Dar Al Handasah	Identifying new project opportunities, managing expert acquisition and evaluating expert curriculum vitae's, any required legal documents for the compilation of EOI or Technical Proposal according to the company's standard formats Site Visits and supervision of Laboratory materials investigations
March 2019 – 31 <sup>st</sup> December 2022	Tutor / Research and Laboratory Assistant   University of Cape Town   Cape Town, South Africa	Industrial work for laboratory civil engineering work under the CoMSIRU department. Tutoring undergraduate civil engineering students for courses such as Structural Analysis CIV3048F, Construction Materials CIV1006S and Geotechnical Engineering I and II (CIV 2039S and CIV 3042F) Laboratory materials investigations
01 <sup>st</sup> April 2018 – 03 <sup>rd</sup> February 2019	Geotechnical Engineer and Quality Assurance Officer   Inter-Consult Ltd   Dar es salaam, Tanzania	Material Field Investigation for structures designs such as Buildings and bridges Preparation of Tender Documents, reporting and follow ups Supervision of the Construction Works Quality Assurance for Management Systems quarterly
July 2015 – October 2015	Civil Engineer Trainee   Arabs Consulting Co   Dar Es Salaam, Tanzania	Trained at the Julius Nyerere International Terminal III under the Tanzania Airports Authority worked in the land survey department for both airside and landside, structural and sewage department, pavement construction supervision.
July 2014 – October 2014	Civil Engineering Trainee   Nimeta Consult Ltd   Dar es Salaam, Tanzania	Worked at the rehabilitation and reconstruction of the Dar es Salaam harbor in Kurasini

## Research Experience

**Title:** The Effect on the Durability Properties of Concrete of Partial Replacement of Natural Fine Aggregates with Recycled Concrete Fine Aggregates

**Organization / Affiliations:** The Concrete Materials and Structural Integrity Research Unit (CoMSIRU) - University of Cape Town

**Duration:** May 2019 – December 2022

**Title:** Recycled Concrete Aggregates and their Influence on Concrete Properties (Research Monograph under SPARC)

**Organization / Affiliations:** Indian Institute of Technology Madras, Chennai, India, and University of Cape Town, and University of the Witwatersrand, South Africa

**Duration:** January 2022 – March 2023

## Participation in Research Projects

**Title:** Sustainable Construction Workshop for the Sub-Saharan Countries in Africa – SUSCON

**Organization / Affiliations:** University of Dar es Salaam and the Technical University of Munich

**Position:** Student Assistant

**Duration:** January 2023 – To date

**Task:** Assisted the participants in conducting research for their respective cities highlighting the choice of construction materials and their challenges as well as proposing their solutions.

## References:

<b>Name and Position of Referee:</b>	Prof Ravindra Gettu,   V.S. Raju Chair Professor, in the Department of Civil Engineering
<b>Organization:</b>	Indian Institute of Technology Madras, Chennai   India.
<b>Contact:</b>	<a href="mailto:gettu@iitm.ac.in">gettu@iitm.ac.in</a>   +91 98406 00871
<b>Name and Position of Referee:</b>	Emeritus Prof Mark Alexander   Co-Director and Senior Advisor of CoMSIRU
<b>Organization:</b>	University of Cape Town   South Africa.
<b>Contact:</b>	mark.alexander@uct.co.za   +27 76 426 1088