

The University of KwaZulu-Natal (UKZN) is committed to Employment Equity with the intention to promote representivity within the Institution. Preference will be given to applicants from the designated groups in accordance with our Employment Equity Plan

COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

**RESEARCH ASSISTANT (3 MONTH FIXED TERM)
WASH R&D CENTRE, CHEMICAL ENGINEERING
SCHOOL OF ENGINEERING
HOWARD COLLEGE CAMPUS
REF NO.: WASH07/2026**

The Water Sanitation & Hygiene Research & Development (WASH R&D) Centre in the School of Engineering is an externally funded team of professional researchers working on multidisciplinary research projects in the urban and industrial water and sanitation sector.

The WASH R&D Centre is looking to recruit a research assistant to provide full time support to the project: Spot of Green- Using GIS to determine water leaks.

The project is looking to access the possibility of using GIS to determine water leaks via the proxy of using plant growth (and soil dampness/moisture) to determine the statistical degree of a possible localized water leak compared to the surrounding environment.

The end point of the project is to develop a functional online tool that links GIS data to pipeline data to statistically track the probability of water leaks.

The incumbents will be responsible for supporting senior researchers as an embedded researcher, compiling and analysing generated data, writing reports and articles for peer-reviewed journals. S/he will prepare presentations and present at conference proceedings, strategic workshops and seminars/forums.

Minimum Requirements

- An Honours degree in any Engineering or IT field
- Experience in using GIS software, mapping and coding

The closing date for receipt of applications is Friday 17 April 2026

The remuneration will be at the University standard rates of pay.

Applicants are required to submit their CVs together with a motivation letter on how they meet the requirements. Please forward all documents to Lungi Ndlela ndlela1@ukzn.ac.za.

Kindly note that the University of KwaZulu-Natal ("the University") is required to process any Personal Information (as defined by the Protection of Personal Act, 2013 "POPIA") submitted by candidates when applying for positions at the University. The University will endeavour to ensure that the appropriate security measures are in place and implemented for both electronic and paper-based formats that are used for processing of the personal information recorded through this recruitment and selection process. We refer you to the University's relevant Section 18 notice at http://vacancies.ukzn.ac.za/Libraries/General Documents/Section_18_Notice_-_Employees_and_Potential_Employees.sflb.ashx