

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

**COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE**

**INTERN: SANITATION TECHNOLOGY (9 MONTH APPOINTMENT)  
WATER SANITATION & HYGIENE RESEARCH & DEVELOPMENT (WASH R&D) CENTRE DISCIPLINE OF  
CHEMICAL ENGINEERING  
SCHOOL OF ENGINEERING  
HOWARD COLLEGE CAMPUS**

**REF NO.: WASH\_TRAINEE\_SOLAR 4/2024**

The WASH R&D Centre, located at the University of KwaZulu-Natal (Durban, South Africa) is an externally funded team of professional researchers working on multidisciplinary projects in the urban and industrial water and sanitation sector.

The WASH R&D Centre has developed two solar thermal drying technologies, which are intended to provide a cost-effective solution to treat sanitary sludge waste and manure. These technologies rely on the use of solar power to dry and disinfect the material at low operating costs, in contrast to conventional thermal driers that require high energy consumption to provide the latent heat for water evaporation. The ultimate goal is the commercialisation of these technologies

The Centre is looking for an in-service trainee from a local historically disadvantaged institution to work on a project about solar thermal drying. The intern will be involved in assisting an MSc student in the testing of these technologies. The position is available for 9 months.

**Minimum Requirements:**

- BTech degree in the course of completion in mechanical, chemical or civil engineering from a historically disadvantaged institution
- Experience in the laboratory and / or workshop

**Remuneration will be at the University standard rates of pay.**

**The University reserves the right not to make an appointment to this advertisement.**

**The closing date for receipt of applications is Monday 29<sup>nd</sup> April 2024.**

**Applicants are required to email a CV, academic transcripts and a motivation letter to the following 3 contacts before the closing date. The subject line must clearly indicate the reference description and number.**

- Mrs Lungile Zama Shangase ([ndlela1@ukzn.ac.za](mailto:ndlela1@ukzn.ac.za))
- Mr Pareshin Naidoo ([212523981@stu.ukzn.ac.za](mailto:212523981@stu.ukzn.ac.za))
- Dr Santiago Septien Stringel ([septiens@ukzn.ac.za](mailto:septiens@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](http://vacancies.ukzn.ac.za/Libraries/General_Documents/Section_18_Notice_-_Employees_and_Potential_Employees.sflb.ashx)*