

**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**

**POSTDOCTORAL FELLOWSHIP (1 POST)  
ARTIFICIAL INTELLIGENCE FOR CLIMATE CHANGE (AICC) RESEARCH PROJECT  
1 NOVEMBER 2022 – 31 OCTOBER 2023 (Renewable conditionally)  
SCHOOL OF MATHEMATICS, STATISTICS AND COMPUTER SCIENCE  
PIETERMARITZBURG CAMPUS**

**REFERENCE NO.: MSCS1014/2022**

The UKZN Artificial Intelligence for Climate Change (AICC) Research Project has a Postdoc opportunity available in a research for community engagement initiative focusing on the field of Artificial Intelligence for Climate Change Impact Modeling. The AICC research project team is looking for a candidate that will work closely with the research investigators to provide assistance in various aspects of the project, including: undertaking literature surveys, implementing image analysis and Deep Learning models, writing high quality research papers emanating from the project, facilitating workshops, developing MOOCs that showcase research insights, designing an AICC short course proposal and assisting with the supervision of postgraduate activities.

The successful applicant will be expected to engage in **full-time** postdoctoral studies under the supervision of AICC project members, from Computer Science, Computer Engineering, and Earth and Environmental sciences.

**Minimum Requirements:**

- PhD in Computer Science obtained in the last three years.
- Applicants must be under the age of 45 years.
- An adequate number of publications in the relevant area of expertise.
- Knowledge and research experience in the fields of AICC and image analysis.

The Chair is committed to equity and transformation. Applications from previously disadvantaged population groups and persons with disabilities will be viewed favourably.

Enquiries and details regarding the post may be directed to the AICC principal investigator: Dr M. Gwetu at email: [gwetum@ukzn.ac.za](mailto:gwetum@ukzn.ac.za)

The postdoctoral fellowship is for 12 months, worth R180 000 per annum, renewable for a second year upon a satisfactory progress report, and funded by the UKZN College of Agriculture, Engineering and Science. The appointed candidate must be based at UKZN for the duration of the scholarship.

**The closing date for receipt of applications is 31 October 2022.**

**Applicants are required to submit the following:**

- (i) a covering letter highlighting their experience in meeting each of the minimum requirements as listed above.
- (ii) a detailed CV including the list of publications
- (iii) contact details for two referees
- (iv) a copy of the applicant's doctoral degree certificate or PhD award letter.
- (v) a certified copy of the applicant's South African ID / permanent residency document / appropriate visa.

Applications must be emailed to the school principal academic officer (Ms Nondumiso Khanyile), email: [khanyilet@ukzn.ac.za](mailto:khanyilet@ukzn.ac.za), before the closing date. The subject line must clearly indicate the reference no. MSCS1014/2022. Late applications will not be considered. Successful individuals will be contacted on or before **4 November 2022**, thereafter an online interview session will take place. The research group reserves the right not to make an appointment to this advert. Should you not receive a reply or update by **4 November 2022**, kindly consider your application to have been unsuccessful.

*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 provision of the Personal Information is a requirement in terms of the University's recruitment and selection process. The retention of any personal information is as a consequence of the University being bound by legislative requirements and / or good governance practices as well as record keeping for statistical purposes. 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.*