

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

**LECTURER (SOFT ROBOTICS AND DESIGN)
(MECHANICAL ENGINEERING)
SCHOOL OF ENGINEERING
HOWARD COLLEGE CAMPUS**

REF NO.: ENG09/2021

This position is in the area of Soft Robotics and Design. The incumbent will be required to teach undergraduate courses, conduct practicals, and carry out administrative duties within the Discipline of Mechanical Engineering. S/he will also be required to conduct research and supervise undergraduate and postgraduate research projects in the field of Soft Robotics Engineering, with emphasis on shape memory polymer actuation and 4D printing.

The incumbent will report to the Academic Leader: Mechanical Engineering.

Minimum Requirements:

- BSc(Eng) or B.Eng degree in Mechanical Engineering
- A Masters degree with focus on the design and analysis of soft robotic actuators
- Experience in either University teaching or relevant mentorship experience in an industrial or research environment
- Evidence of research potential supported by current publications in DoHET accredited journals and peer reviewed conference proceedings
- Experience in the engineering design, manufacture and analysis of soft robotic systems and in 4D printing

The successful candidate will be expected to complete a PhD within 5 years of date of assumption of duty.

This appointment will be made in line with the University Guidelines/benchmarks which are available on the University Vacancies website on <http://vacancies.ukzn.ac.za/Academic-Process-Proc-Guides.aspx>

Enquiries and details regarding this post, as well as requests for a job profile may be directed to the Academic Leader, Professor M Brooks, on 031 260-3201 or e-mail: brooks@ukzn.ac.za

Appointment to this position will be on the January 2018 Conditions of Service.

The total remuneration package offered includes benefits.

The closing date for receipt of applications is 05 November 2021.

Applicants are required to complete the relevant application form which is available on the Vacancies website at www.ukzn.ac.za. Completed forms AND Curriculum Vitae may be sent to Recruitment-aes@ukzn.ac.za. Advert Reference Number must be clearly stated in the subjectline.