



FACULTY: Engineering and Technology

DEPARTMENT: Electrical Engineering (Computer Systems)

POST: LECTURER x2

POST N^o: 0453,8505

PEROMNES GRADE: 08

JOB DESCRIPTION:

Key performance areas include, but are not limited to:

- Lecturing modules within the discipline from Diploma to Postgraduate Diploma level.
- Supervising undergraduate and postgraduate research projects.
- Engaging in research activities leading to outputs such as journal articles, book chapters, and patents.
- Serving on departmental and institutional committees.
- Contributing to curriculum design and review processes.
- Participating in quality assurance activities, including accreditation processes such as ECSA.
- Building and maintaining collaborative relationships with industry partners.
- Demonstrating willingness to undertake professional development short courses (e.g. Cisco, Huawei).

APPLICATION CRITERIA:

Qualification:

- Master of Engineering Electrical: Computer Systems / Master of Computer Systems Engineering (Lecturer)
- First degree must be Computer Systems Engineering (NQF Level 7)

Experience:

- A minimum of two (2) years of relevant experience after a Master's level in an institute of higher education, OR five (5) years of professional industrial experience (Lecturer).

Skills & Criteria:

- In-depth expertise in IoT systems, computer networks, systems development, artificial intelligence, and cybersecurity.
- Eligibility for ECSA registration (compulsory for candidates with foreign qualifications).
- Knowledge of computer clusters, parallel systems, and high-performance computing (HPC).
- Strong communication skills, both written (report writing) and verbal.
- Proficiency in engineering software packages such as MATLAB and Proteus.
- Competence in microcontroller project development and prototyping (e.g. ESP32, Arduino, Raspberry Pi).
- Advanced programming skills in C/C++ for embedded systems (MicroPython will be an advantage).
- Experience in software development, particularly cloud-based applications.
- Solid understanding of operating systems (preferably Linux).
- Knowledge of cloud and virtualisation technologies (IaaS, containers, virtual machines).
- Excellent interpersonal, teamwork, and time management skills.
- Strong problem-solving and critical-thinking abilities.
- Comprehensive understanding of ECSA accreditation requirements, graduate attributes (GAs), programme outcomes (POs), curriculum design, and assessment practices.
- Ability to interpret course outcomes, assessments, rubrics, and moderation reports in alignment with ECSA criteria.

CLOSING DATE FOR APPLICATIONS: 03 November 2025

Application requirements

1. A fully completed prescribed application form, obtainable from www.vut.ac.za.

2. A detailed curriculum vitae (explicitly stating relevant experience or knowledge in the fields mentioned above).
3. Certified copies of all academic records and certificates or degrees.
4. A certified copy of your South African identity document.
5. Current contact details of referees.
6. Applications must be emailed to recruitment2@vut.ac.za. Please quote the post reference and post description in the subject line.
7. No manual applications will be accepted. Incomplete applications, or applications submitted without the application form and required supporting documents, will be disregarded.
8. Only applications submitted using the official VUT application for employment form will be considered.
9. Correspondence will only be entered into with shortlisted candidates. If you do not hear from VUT within three months of the closing date, please regard your application as unsuccessful.

Enquiries may be directed to:

HR Practitioner: Ms Pinki Motsoetla Tel: 016 950 6645

Please note

- By submitting your application, you consent to VUT verifying your qualifications and sharing your personal information with the selection panel and authorised personnel involved in the recruitment process
- Candidates with foreign qualifications must submit a South African Qualifications Authority (SAQA) certificate of evaluation.
- VUT is an equal opportunity and affirmative action employer. In compliance with the Employment Equity Act No. 55 of 1998 (as amended), and in line with its Employment Equity Plan and Recruitment Policy, preference will be given to suitably qualified candidates from designated groups, specifically African, Coloured, and persons with disabilities.
- VUT reserves the right not to make an appointment

