



DIVISION/FACULTY	DEPARTMENT: Electrical Engineering
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POST: Part-time Technician x2 Electronics	POST N°: PEROMNES GRADE:
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JOB DESCRIPTION:

Key performance areas include, but are not limited to:

- Preparing and maintaining laboratory equipment, computers, routers, switches, and workstations relevant to modules such as Networks and Operating Systems.
- Upgrading and adapting laboratory setups to accommodate experimentation where applicable.
- Maintaining and troubleshooting network cabling within the laboratory environment.
- Providing support to students engaged in project-based learning.
- Maintaining detailed records of equipment usage, damages, maintenance activities, and assessment records for each experiment.
- Assisting lecturers during practical evaluation sessions.
- Demonstrating willingness to support practical sessions as required.
- (Optional) Performing basic maintenance and demonstrating operational understanding of 3D printers, CNC machines, and other manufacturing laboratory equipment (not for direct student use).

APPLICATION CRITERIA:

Qualification:

- Advanced Diploma/BTech in Electrical Engineering (Electronics)

Experience:

- A minimum of two (2) years of relevant experience in an institute of higher education, **or** two (2) years of professional industrial experience.
- Evidence of successful teamwork and collaboration.
- Strong foundational knowledge of electronics and basic circuit design.
- Understanding of PCB development and etching processes.
- Practical skills in soldering, drilling, and assembling electronic circuits.

Software Proficiency:

- Working knowledge of:
 - Circuit simulation software (SiMetrix preferred)
 - Microsoft Excel (data processing, plotting)
 - KiCad (schematic and PCB design)
 - Arduino IDE (basic to intermediate programming)
- Ability to install, configure, and keep all relevant software and computer systems up to date.

Skills:

- High level of discipline, reliability, and professionalism.
- Excellent communication skills, both verbal and written (including report writing)
- Organised, safety-conscious, and proactive in maintaining laboratory functionality.
- Able to manage stock levels and coordinate the procurement of components and tools as required.
- Competent in Arduino-based project development and prototyping.
- Basic understanding of coding and embedded systems (C/C++ preferred).

- Skilled in the maintenance of soldering stations, tools, safety equipment, and consumables.
- Familiar with laboratory safety protocols and equipment handling procedures.
- Knowledge of PCB schematic capture and layout design.
- Good interpersonal skills, including collegiality, teamwork, and effective time management.
- Strong problem-solving and critical-thinking abilities.

NB: Candidates must be willing to work only during normal working hours.

CLOSING DATE FOR APPLICATIONS: 11 November 2025
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Applications should include:

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



POSITIVE ABOUT PEOPLE WITH DISABILITIES