



DIVISION/FACULTY	DEPARTMENT: Electrical Engineering (Computer Systems)
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POST: Part-Time Lab Assistants (x5)	POST N°: PEROMNES GRADE:
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JOB DESCRIPTION:

Key performance areas include, but are not limited to:

- Conduct and support weekly practical laboratory sessions with students on campus in accordance with approved module requirements and practical activities.
- Assist in preparing, upgrading, adapting, and configuring laboratory setups to support experimentation, demonstrations, and practical learning activities.
- Guide students in the correct procedures for simulation, programming, circuit design, testing, debugging, and fault-finding exercises.
- Provide technical support to students during practical activities involving Arduino, ESP32, embedded systems, electronic circuits, and related development platforms.
- Support students during project-based learning, providing technical guidance within the scope of prescribed projects.
- Facilitate student access to relevant computing, programming and simulation
- Assist students with the use of software and development environments required for practical and project activities.
- Assist lecturers during practical evaluation and assessment sessions.
- Maintain accurate records of equipment usage, equipment faults and damages, maintenance activities, and laboratory interventions.
- Maintain appropriate practical and assessment records for experiments and laboratory sessions.
- Assist with the preparation, testing, and readiness of laboratory equipment and practical workstations before scheduled sessions.
- Report equipment faults, software issues, infrastructure requirements, and other laboratory-related matters to the relevant academic or technical staff.
- Ensure that laboratory workspaces, equipment, and student workstations are maintained in a safe, clean, functional, and orderly condition.
- Perform other reasonable technical and laboratory support duties related to the position as assigned.

APPLICATION CRITERIA:

Qualification

- Advanced Diploma/BTech Engineering Electrical: Computer Systems Engineering
- Advanced Diploma/BTech: Mechatronics
- BEng: Mechatronics/ Computer & Electronic Engineering/ Computer Engineering

Experience:

- A minimum of one to two years of relevant technical experience in an institute of higher education, OR two (2) years of professional industrial experience.

- Worked as a lab technician or assistant (an advantage)
- Worked as a tutor before (an advantage)

Skills:

- A high level of discipline and reliability.
- Excellent understanding of ESP32 and Arduino architecture
- Excellent communication (report-writing and verbal) skills.
- Expertise in CAD simulation software (e.g. Multisim, Proteus, Wokwi, KiCad, etc).
- Expertise in programming languages such as C, C++ and Python
- Ability to deploy a lab environment using open-source software such as VS Code, PyCharm, and Code::Blocks
- Good understanding of computer networks
- Proficient in operating systems (Windows and Linux)
- Good interpersonal skills (Collegiality, team player and time management).
- Problem-solving and critical thinking Skills.

CLOSING DATE FOR APPLICATIONS: 4 November 2026

Applications should include:

1. A fully completed prescribed application form
2. A detailed curriculum vitae (explicitly stating experience or knowledge in the fields as mentioned above)
3. Certified copies of all academic records and certificates/degrees
4. Certified copy of ID
5. Current contact information of referees
6. Please email applications to recruitment11@vut.ac.za and quote the post reference and post description in the subject line.
7. No manual applications will be accepted. Incomplete applications or applications without the application form and required documents will be disregarded.
8. Only applications made on our application for employment form would be considered.
9. Communication will be entered into with short-listed candidates only. If you don't hear from VUT within 6-8 weeks, deem your application as unsuccessful.

Enquiries may be directed to: Ms Rethabile Nqhatsetseng

Contact Number: 016 950 6660/ rethabilen@vut.ac.za

Please Note: Submission of such copies entitles Vaal University of Technology to authenticate the qualifications without any further consent from the applicant. Candidates with foreign qualifications must submit a SAQA certificate of evaluation. Vaal University of Technology is an equal opportunity and affirmative action employer committed to implementing its employment equity plan. People from designated groups are encouraged to apply. Only shortlisted candidates will be contacted.

VUT reserves the right not to make an appointment

By applying for this position, you agree to share your information with the selection panel or the relevant people involved in the recruitment process.

